

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102820\
 Data File : VU040991.D
 Acq On : 28 Oct 2020 10:43
 Operator : SY/MD
 Sample : VSTD0.502
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Quant Time: Oct 29 01:28:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR102820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 29 01:21:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	59264	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	60887	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	27377	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	2462	0.62	ug/L	0.00
7) Chloroethane-d5	1.92	69	1934	0.60	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	1099	0.55	ug/L	0.00
20) 2-Butanone-d5	4.67	46	7701	5.12	ug/L	0.00
24) Chloroform-d	5.07	84	4528	0.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	2902	0.59	ug/L	0.00
32) Benzene-d6	5.74	84	7444	0.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	2570	0.49	ug/L	0.00
41) Toluene-d8	7.90	98	6390	0.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	1039	0.48	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	4791	4.31	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	2393	0.53	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	2475	0.53	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	2769	0.462	ug/L	93
3) Chloromethane	1.53	50	3083	0.518	ug/L	95
5) Vinyl chloride	1.61	62	2880	0.489	ug/L	83
6) Bromomethane	1.87	94	1569	0.499	ug/L	99
8) Chloroethane	1.94	64	2055	0.588	ug/L	83
9) Trichlorofluoromethane	2.15	101	3903	0.491	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2435	0.502	ug/L	94
12) 1,1-Dichloroethene	2.59	96	2222	0.489	ug/L	93
13) Acetone	2.67	43	5451	4.890	ug/L	98
14) Carbon disulfide	2.81	76	7249	0.464	ug/L	99
15) Methyl Acetate	2.97	43	1347	0.487	ug/L #	57
16) Methylene chloride	3.06	84	2945	0.518	ug/L	99
17) Methyl tert-butyl Ether	3.38	73	5295	0.446	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	2180	0.461	ug/L	97
19) 1,1-Dichloroethane	3.89	63	4567	0.486	ug/L	96
21) 2-Butanone	4.74	43	5913	3.234	ug/L	95
22) cis-1,2-Dichloroethene	4.68	96	2032	0.408	ug/L	98
23) Bromochloromethane	4.99	128	1039	0.442	ug/L	86
25) Chloroform	5.10	83	4635	0.491	ug/L	93
27) 1,2-Dichloroethane	5.81	62	3339	0.489	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	3831	0.456	ug/L	93
30) Cyclohexane	5.40	56	3067	0.344	ug/L	99
31) Carbon tetrachloride	5.54	117	3134	0.438	ug/L	92
33) Benzene	5.79	78	8582	0.416	ug/L	100
34) Trichloroethene	6.55	95	2461	0.462	ug/L	92
35) Methylcyclohexane	6.77	83	3000	0.365	ug/L	100
37) 1,2-Dichloropropane	6.80	63	2515	0.435	ug/L #	89
38) Bromodichloromethane	7.11	83	3099	0.442	ug/L #	99
39) cis-1,3-Dichloropropene	7.62	75	3041	0.392	ug/L	93
40) 4-Methyl-2-pentanone	7.80	43	16631	3.823	ug/L	96

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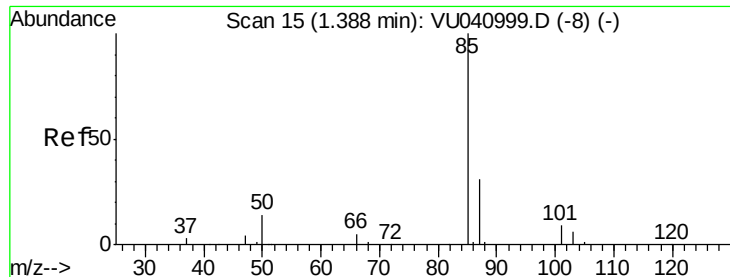
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.97	91	7758	0.372	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	2749	0.383	ug/L #	76
45) 1,1,2-Trichloroethane	8.40	97	1851	0.471	ug/L	95
47) Tetrachloroethene	8.56	164	1942	0.502	ug/L	82
48) 2-Hexanone	8.69	43	12557	3.949	ug/L	94
49) Dibromochloromethane	8.81	129	2020	0.447	ug/L	94
50) 1,2-Dibromoethane	8.93	107	1726	0.455	ug/L #	100
51) Chlorobenzene	9.45	112	5727	0.428	ug/L	99
52) Ethylbenzene	9.57	91	8327	0.366	ug/L	96
53) m,p-Xylene	9.69	106	2750	0.336	ug/L	69
54) o-Xylene	10.10	106	2596	0.329	ug/L	88
55) Styrene	10.11	104	4124	0.303	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.78	83	2313	0.447	ug/L #	93
59) Bromoform	10.29	173	1073	0.487	ug/L #	91
60) Isopropylbenzene	10.48	105	6757	0.363	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	1941	0.552	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	4953	0.332	ug/L	98
63) 1,2,4-Trimethylbenzene	11.46	105	5009	0.331	ug/L	98
64) 1,3-Dichlorobenzene	11.74	146	3736	0.403	ug/L	97
65) 1,4-Dichlorobenzene	11.83	146	4148	0.434	ug/L	94
67) 1,2-Dichlorobenzene	12.20	146	3981	0.457	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.99	75	362	0.437	ug/L	88
69) 1,3,5-Trichlorobenzene	13.21	180	2728	0.420	ug/L	96
70) 1,2,4-trichlorobenzene	13.83	180	1950	0.372	ug/L	98
71) Naphthalene	14.08	128	2560	0.284	ug/L #	93
72) 1,2,3-Trichlorobenzene	14.32	180	1718	0.363	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 0.462 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040991.D

Acq: 28 Oct 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

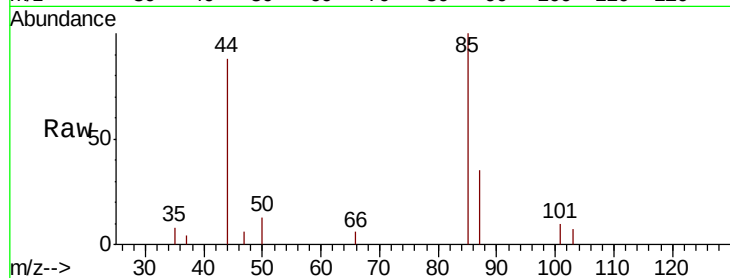
VSTD0.502

Tot Ion: 85 Resp: 2769

Ion Ratio Lower Upper

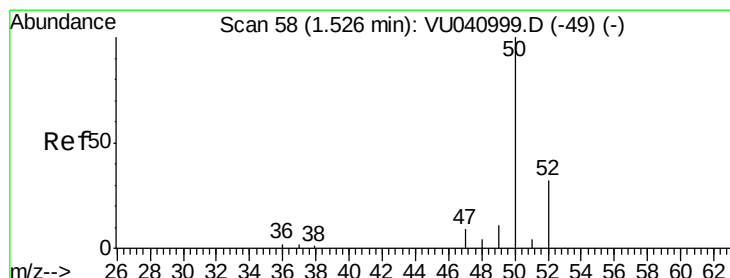
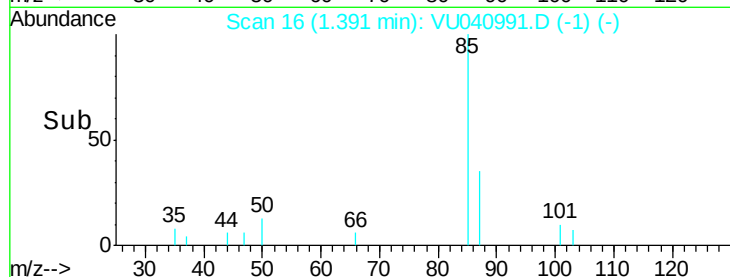
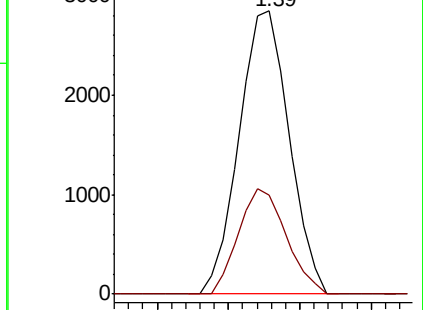
85 100

87 35.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU040991.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU040991.D (-8) (-)



#3

Chloromethane

Concen: 0.518 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040991.D

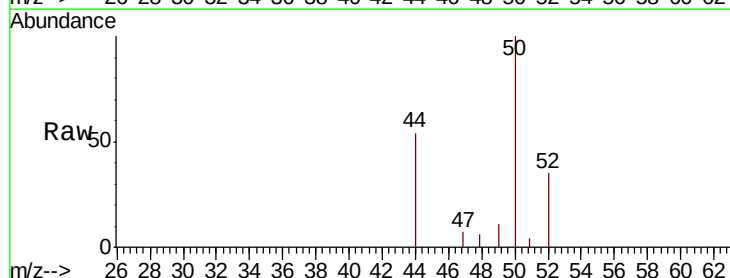
Acq: 28 Oct 2020 10:43

Tgt Ion: 50 Resp: 3083

Ion Ratio Lower Upper

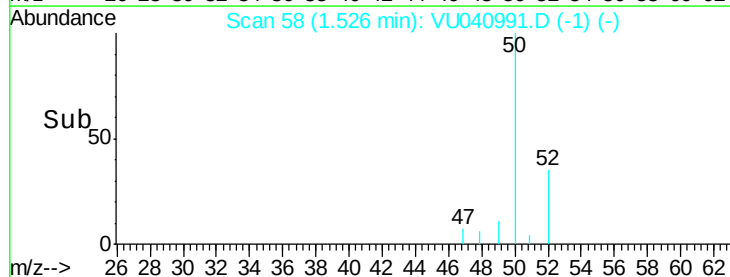
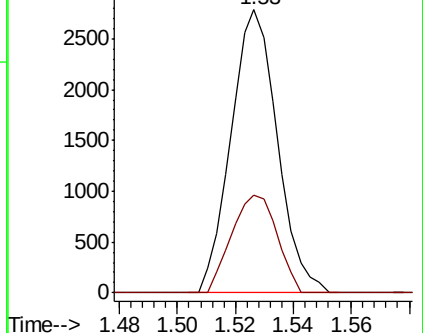
50 100

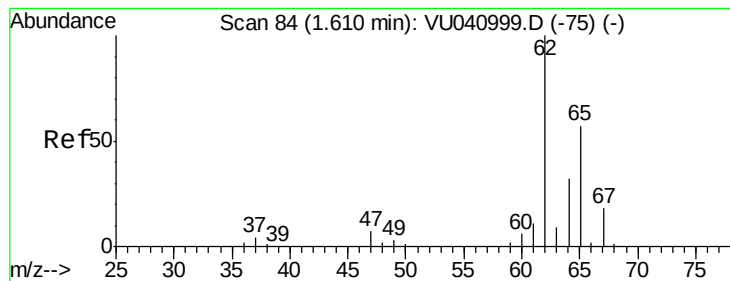
52 34.7 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU040991.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040991.D (-49) (-)





#5

Vinyl chloride

Concen: 0.489 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040991.D

Acq: 28 Oct 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

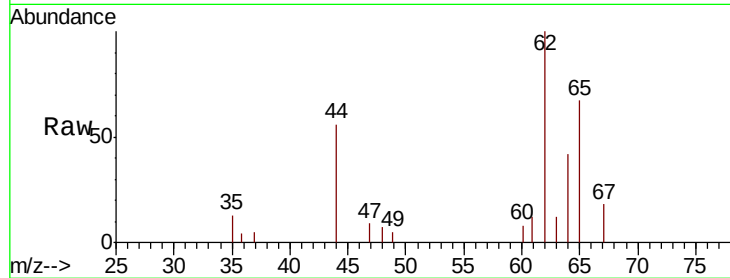
VSTD0.502

Tot Ion: 62 Resp: 2880

Ion Ratio Lower Upper

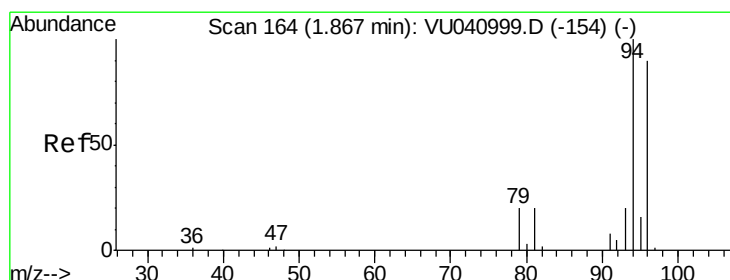
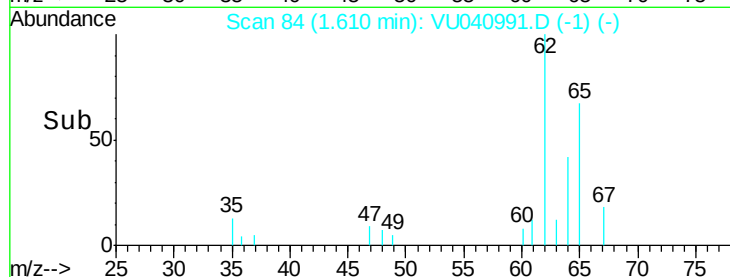
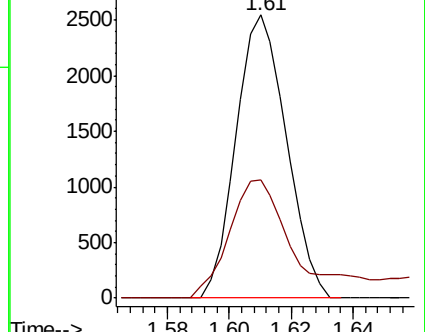
62 100

64 41.8 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU040991.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU040991.D (-75) (-)



#6

Bromomethane

Concen: 0.499 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040991.D

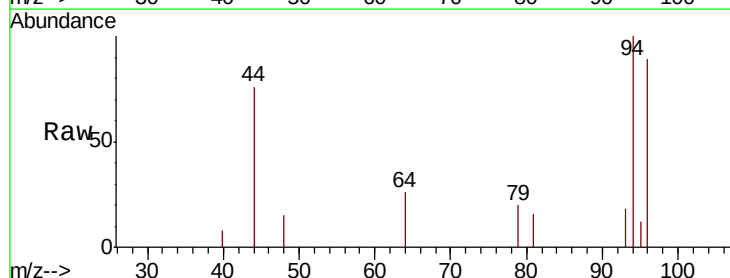
Acq: 28 Oct 2020 10:43

Tgt Ion: 94 Resp: 1569

Ion Ratio Lower Upper

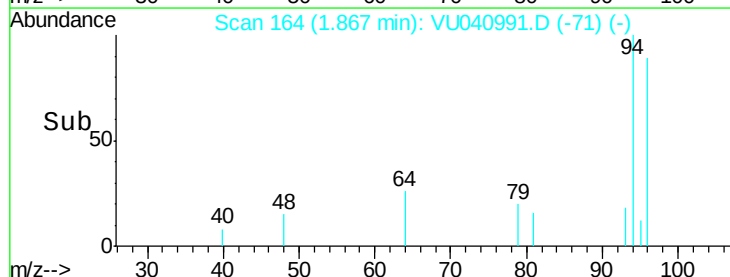
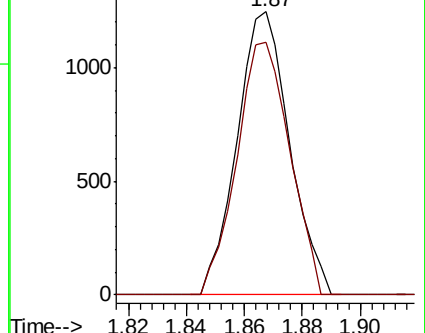
94 100

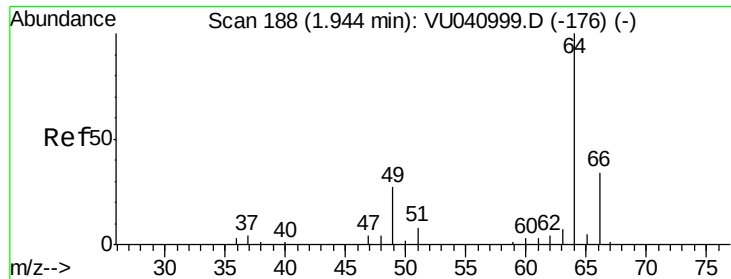
96 89.1 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VU040991.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU040991.D (-154) (-)

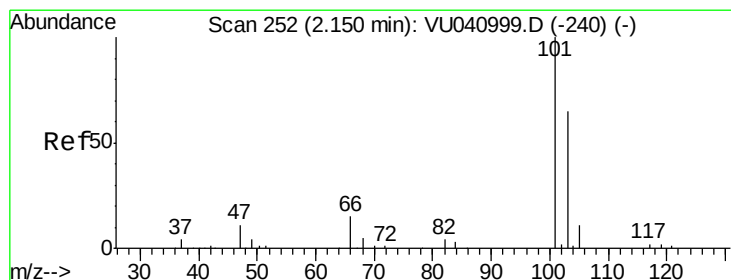
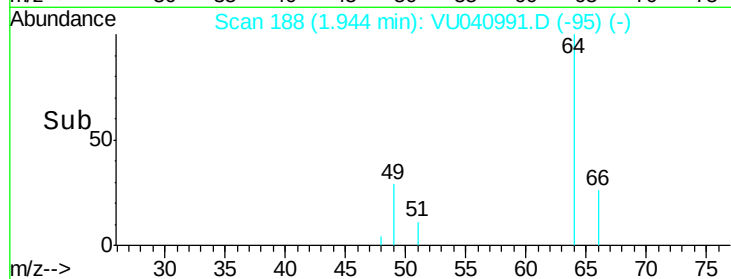
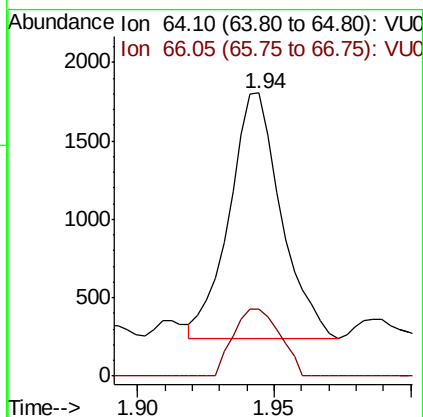
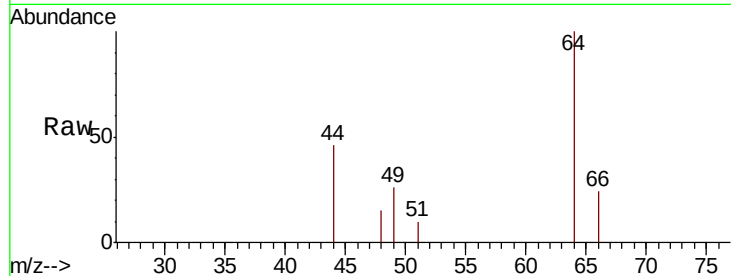




#8
Chloroethane
Concen: 0.588 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU040991.D
Acq: 28 Oct 2020 10:43

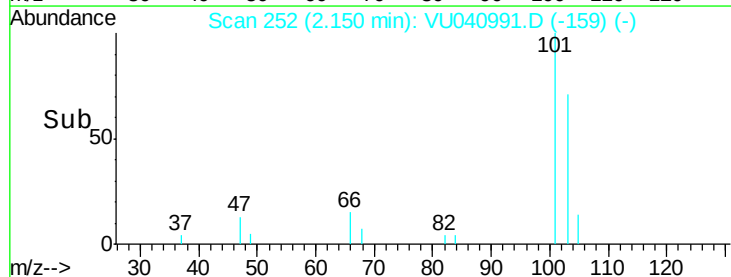
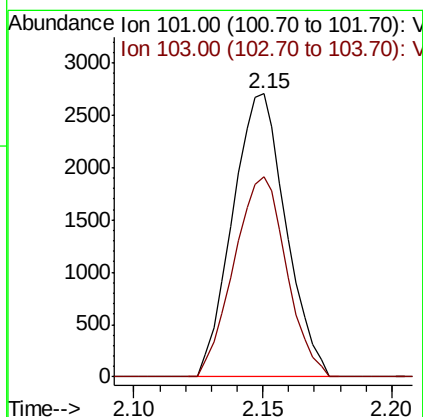
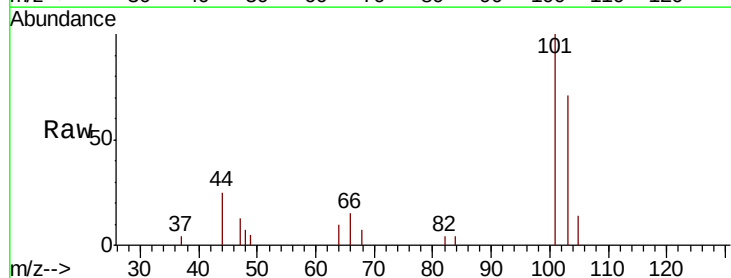
Instrument :
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ClientSampleId :
VSTD0.502

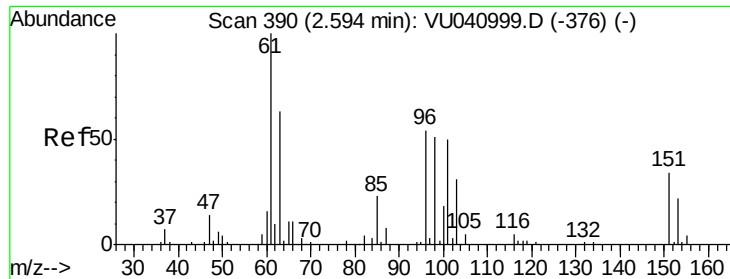
Tot Ion: 64 Resp: 2055
Ion Ratio Lower Upper
64 100
66 23.6 23.4 43.6



#9
Trichlorofluoromethane
Concen: 0.491 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU040991.D
Acq: 28 Oct 2020 10:43

Tgt Ion: 101 Resp: 3903
Ion Ratio Lower Upper
101 100
103 69.5 51.0 76.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.502 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040991.D

Acq: 28 Oct 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

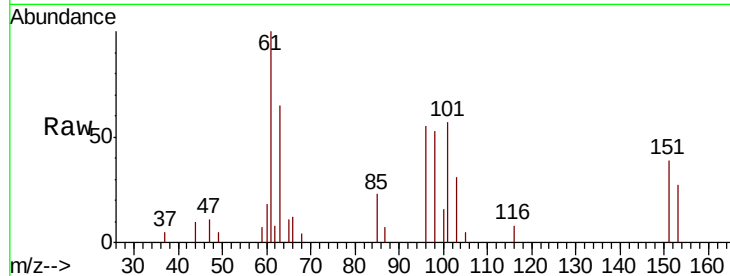
Tot Ion:101 Resp: 2435

Ion Ratio Lower Upper

101 100

85 44.7 38.1 57.1

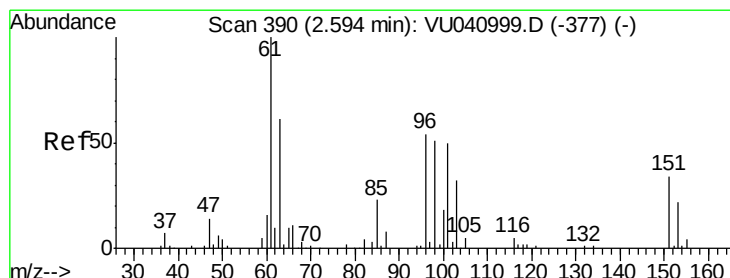
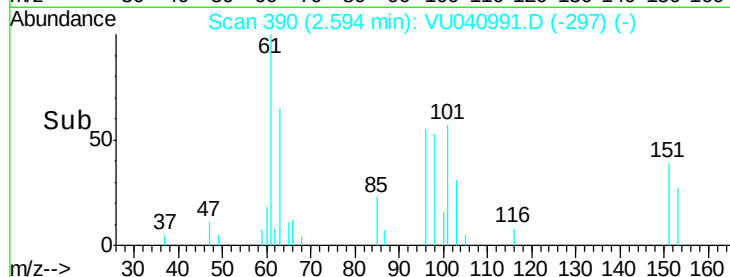
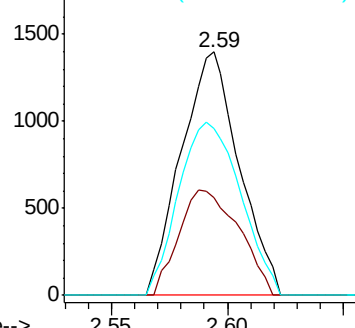
151 75.9 56.0 84.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.489 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040991.D

Acq: 28 Oct 2020 10:43

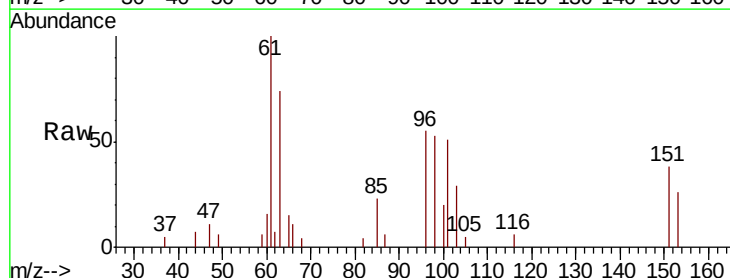
Tgt Ion: 96 Resp: 2222

Ion Ratio Lower Upper

96 100

61 180.5 130.2 241.8

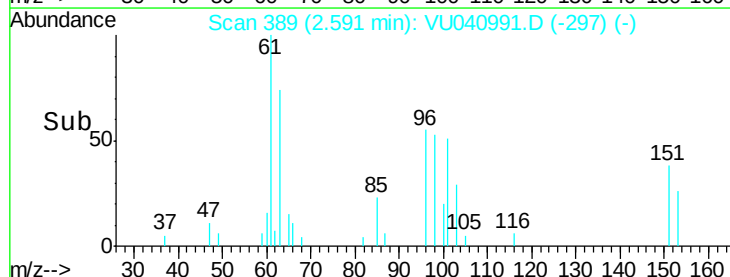
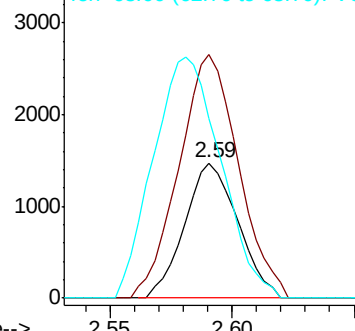
63 133.4 83.7 155.5

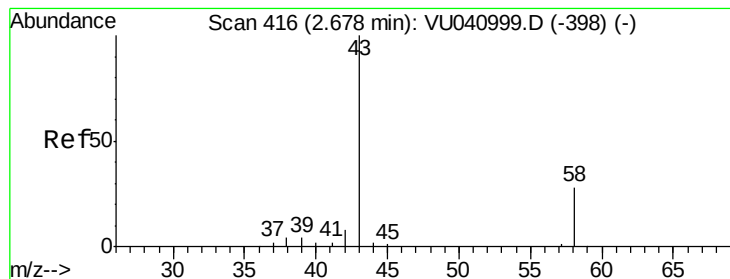


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.890 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

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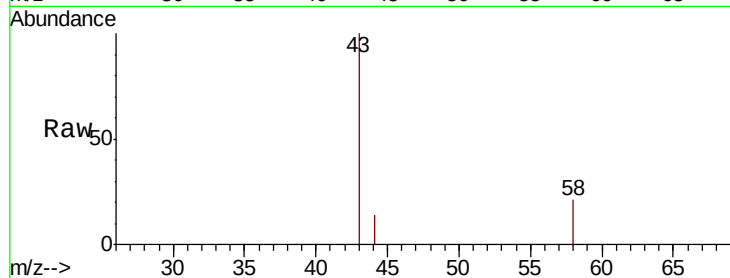
VSTD0.502

Tot Ion: 43 Resp: 5451

Ion Ratio Lower Upper

43 100

58 14.8 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.67

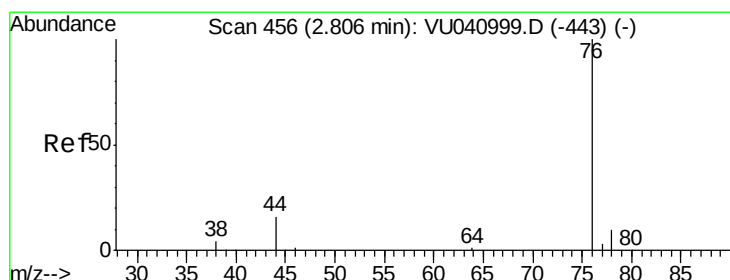
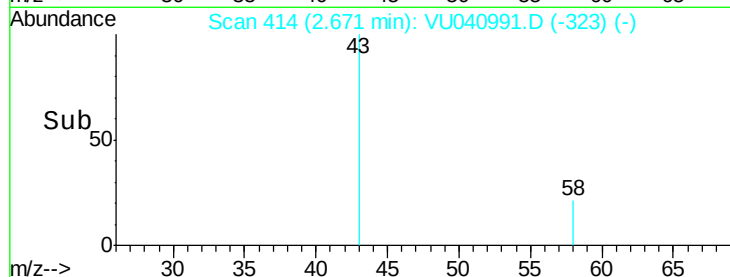
1500

1000

500

0

Time--> 2.60 2.65 2.70 2.75 2.80



#14

Carbon disulfide

Concen: 0.464 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040991.D

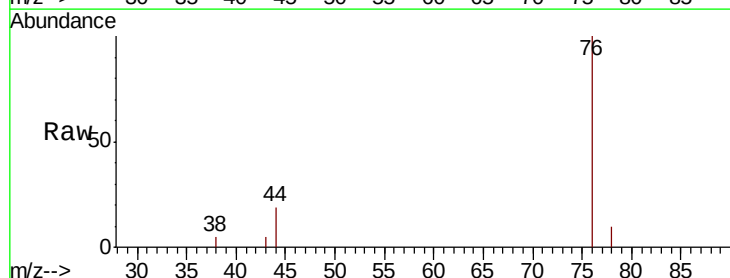
Acq: 28 Oct 2020 10:43

Tgt Ion: 76 Resp: 7249

Ion Ratio Lower Upper

76 100

78 9.9 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

5000

4000

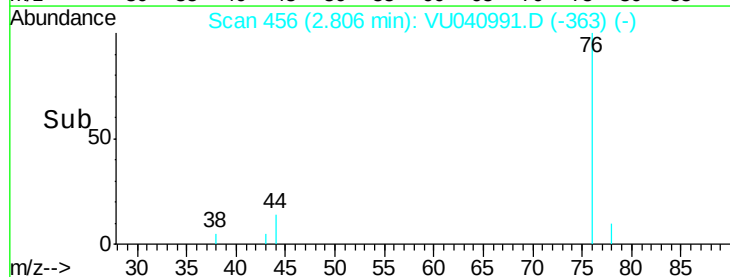
3000

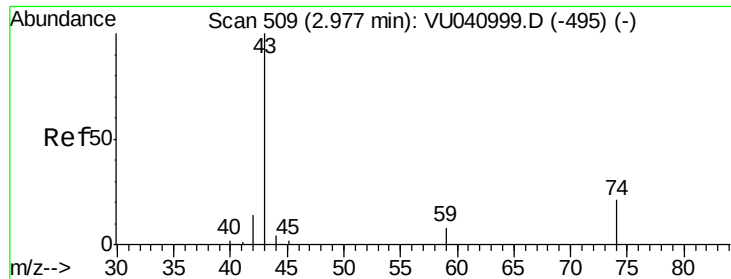
2000

1000

0

Time--> 2.75 2.80 2.85

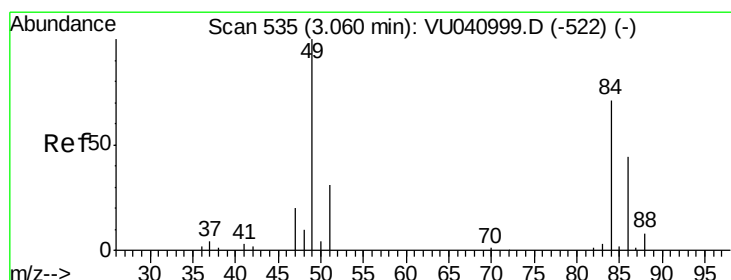
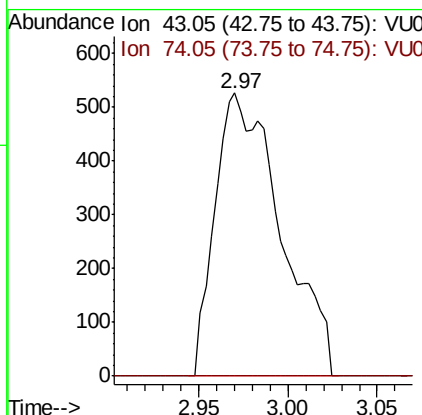
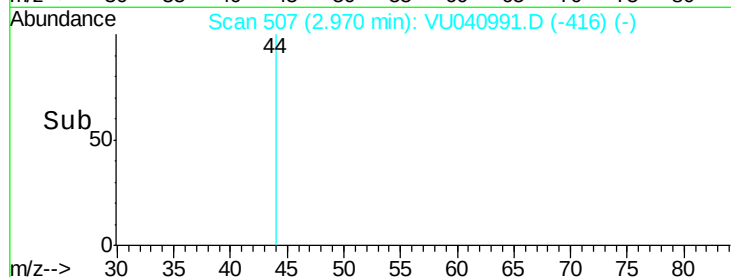
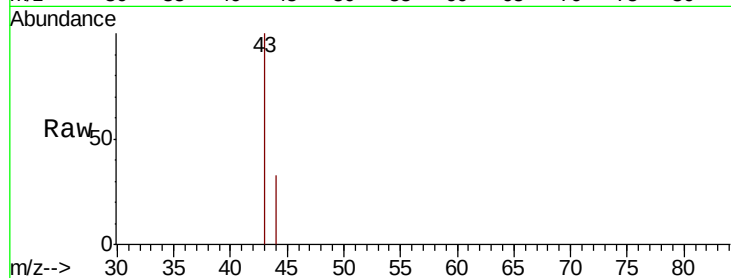




#15
Methvl Acetate
Concen: 0.487 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.01 min
Lab File: VU040991.D
Acq: 28 Oct 2020 10:43

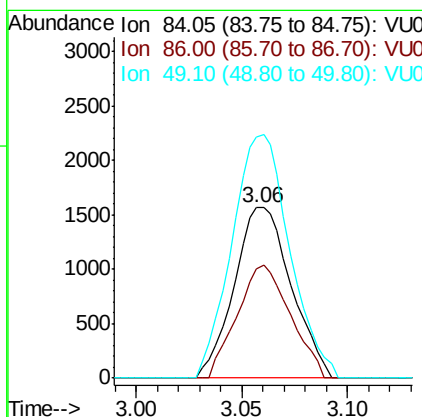
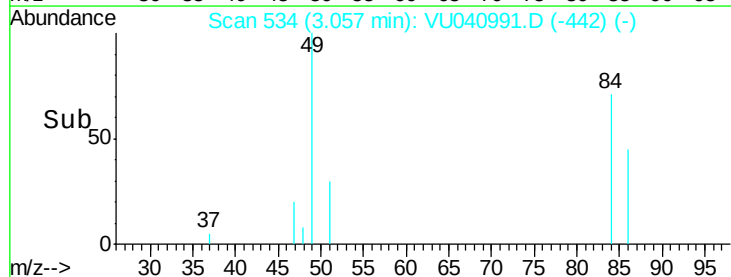
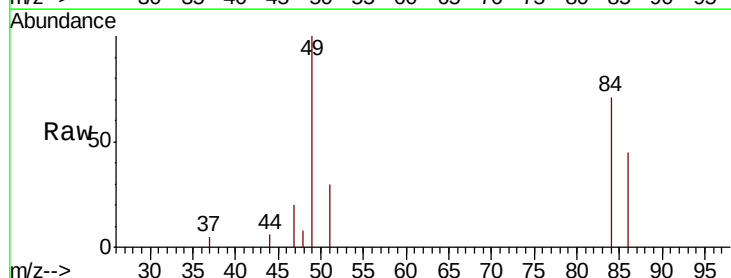
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

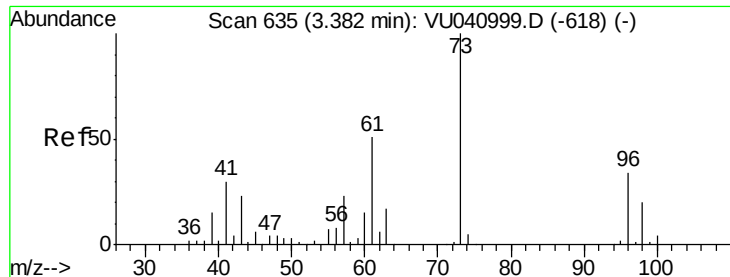
Tot Ion: 43 Resp: 1347
Ion Ratio Lower Upper
43 100
74 0.0 15.6 23.4#



#16
Methylene chloride
Concen: 0.518 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU040991.D
Acq: 28 Oct 2020 10:43

Tgt Ion: 84 Resp: 2945
Ion Ratio Lower Upper
84 100
86 64.3 44.2 82.0
49 141.7 99.3 184.3

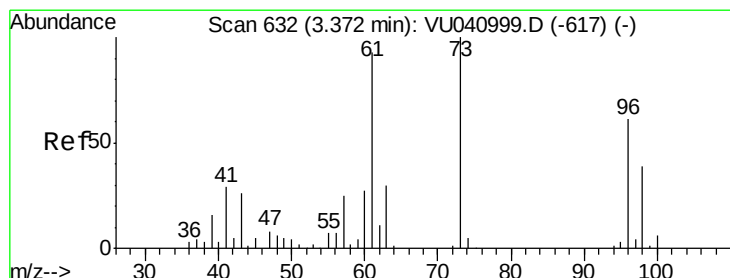
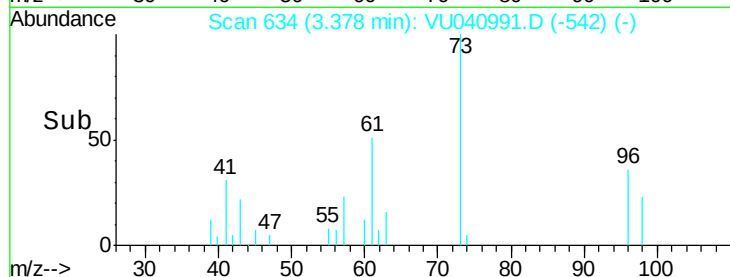
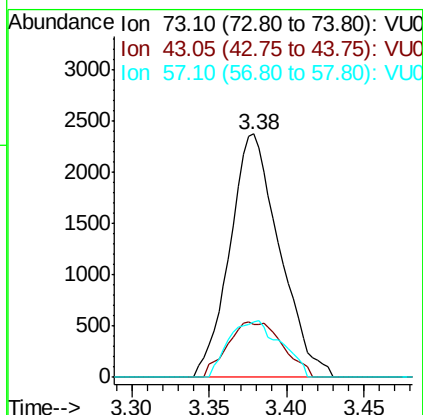
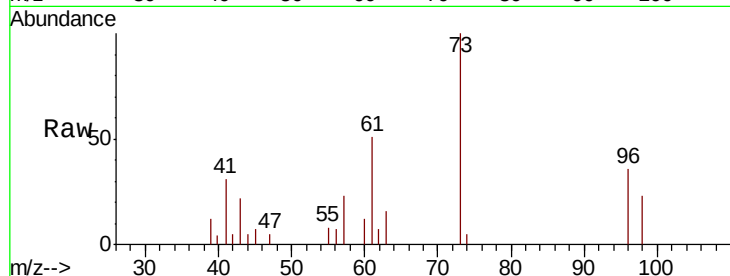




#17
Methyl tert-butyl Ether
Concen: 0.446 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040991.D
Acq: 28 Oct 2020 10:43

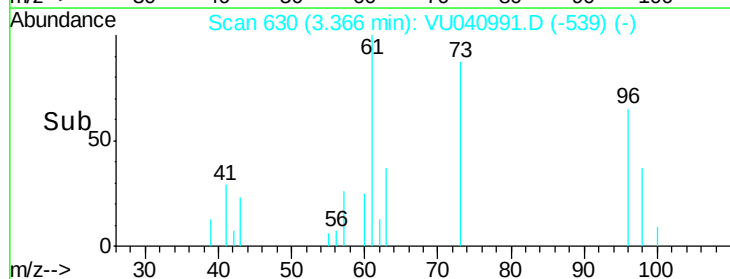
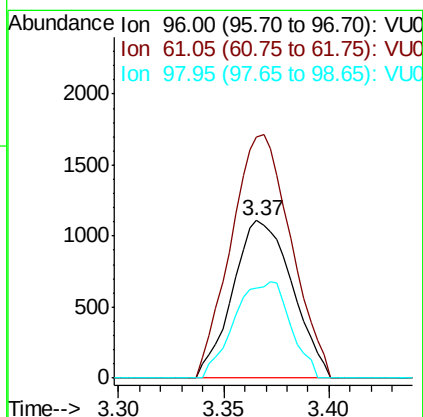
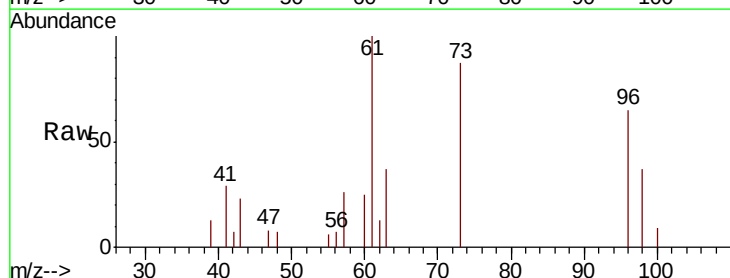
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

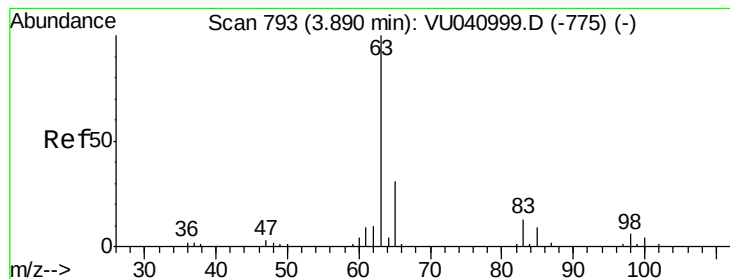
Tot Ion: 73 Resp: 5295
Ion Ratio Lower Upper
73 100
43 25.3 19.5 29.3
57 24.5 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 0.461 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.01 min
Lab File: VU040991.D
Acq: 28 Oct 2020 10:43

Tgt Ion: 96 Resp: 2180
Ion Ratio Lower Upper
96 100
61 153.0 107.2 199.0
98 57.1 44.6 82.8

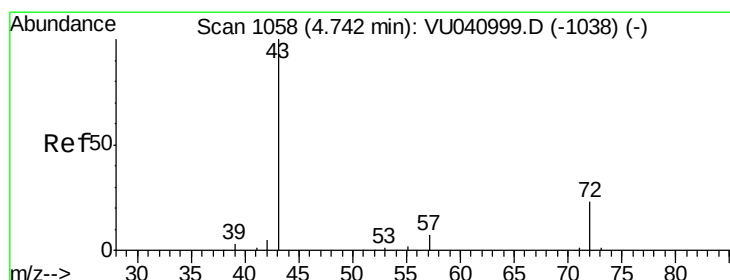
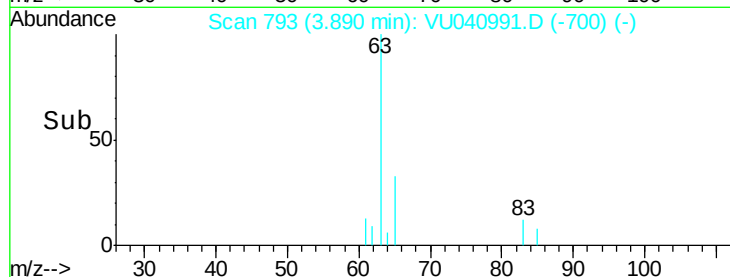
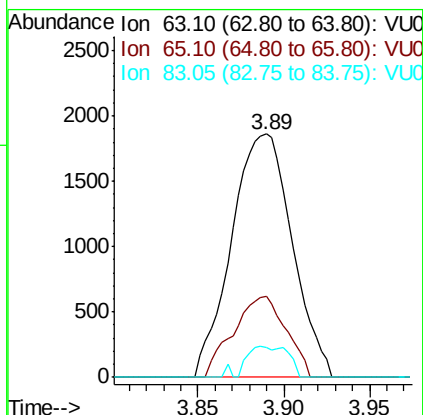
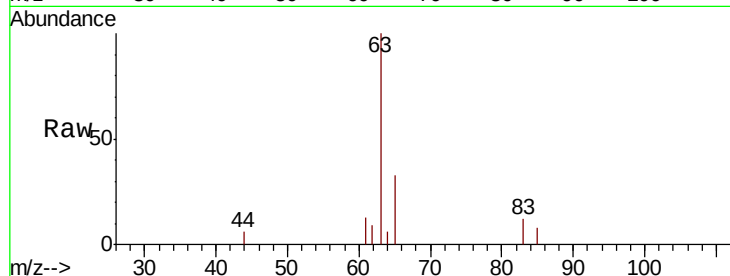




#19
 1,1-Dichloroethane
 Concen: 0.486 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU040991.D
 Acq: 28 Oct 2020 10:43

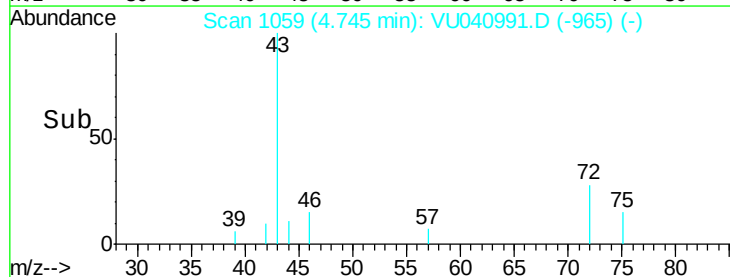
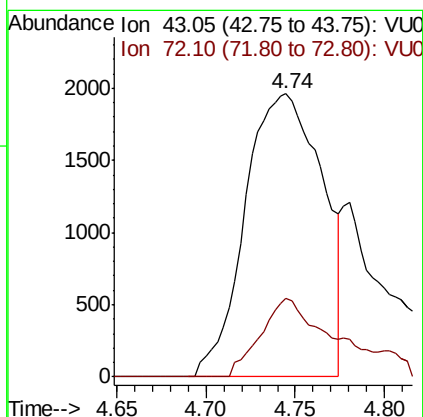
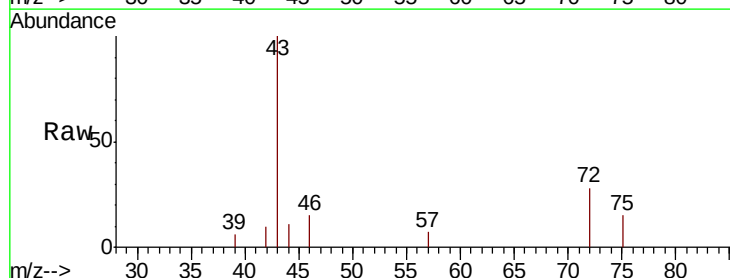
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

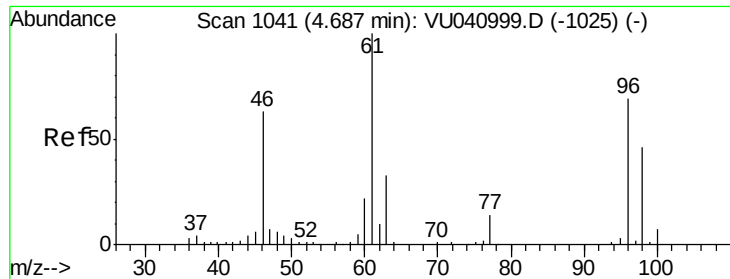
Tot Ion: 63 Resp: 4567
 Ion Ratio Lower Upper
 63 100
 65 33.4 21.8 40.4
 83 12.0 9.3 17.3



#21
 2-Butanone
 Concen: 3.234 ug/L
 RT: 4.74 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VU040991.D
 Acq: 28 Oct 2020 10:43

Tgt Ion: 43 Resp: 5913
 Ion Ratio Lower Upper
 43 100
 72 25.5 11.6 34.7





#22

cis-1,2-Dichloroethene

Concen: 0.408 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VU040991.D

Acq: 28 Oct 2020 10:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

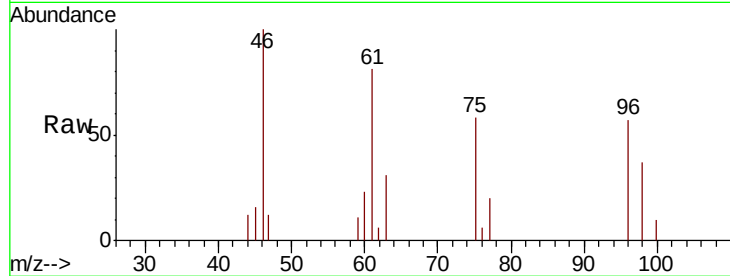
Tot Ion: 96 Resp: 2032

Ion Ratio Lower Upper

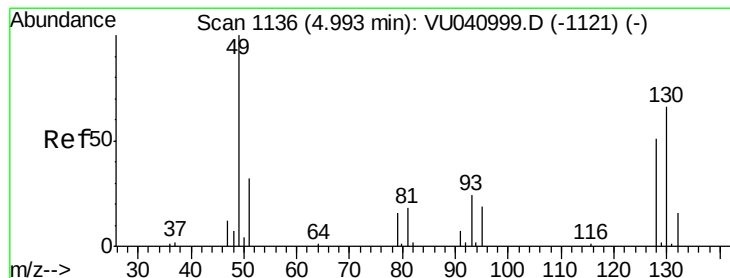
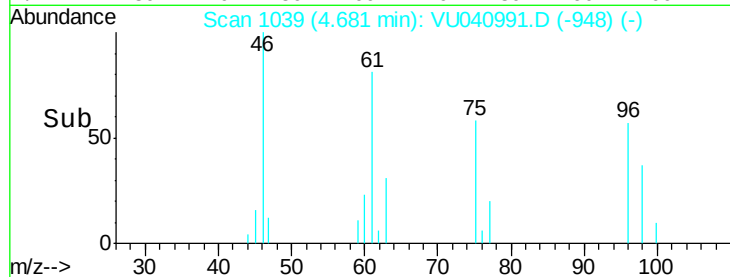
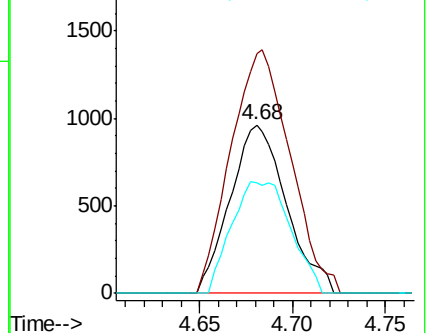
96 100

61 142.0 101.7 188.9

98 65.4 46.4 86.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 98.00 (97.70 to 98.70): VU0



#23

Bromochloromethane

Concen: 0.442 ug/L

RT: 4.99 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VU040991.D

Acq: 28 Oct 2020 10:43

Tgt Ion: 128 Resp: 1039

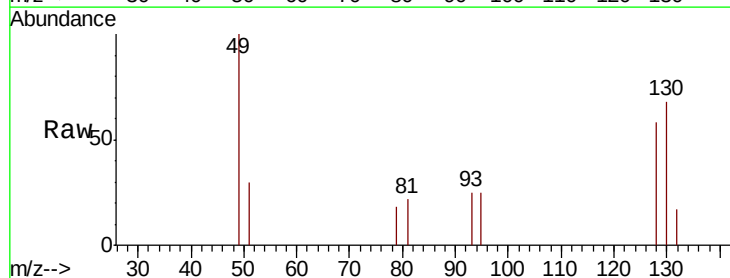
Ion Ratio Lower Upper

128 100

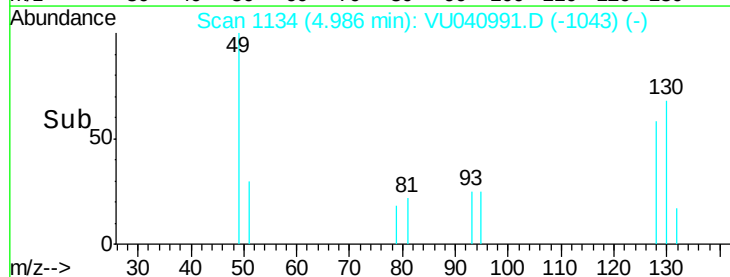
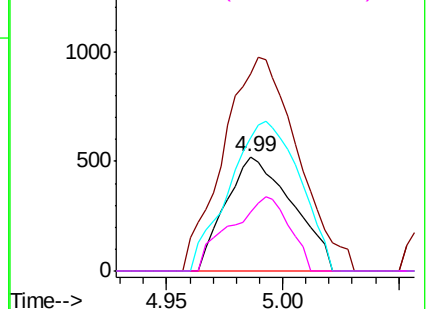
49 172.0 137.5 255.4

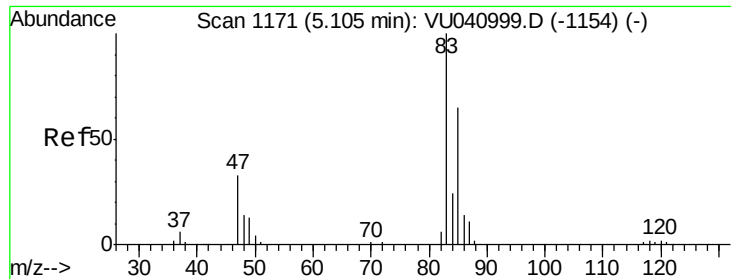
130 116.5 90.2 167.4

51 51.1 49.8 74.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

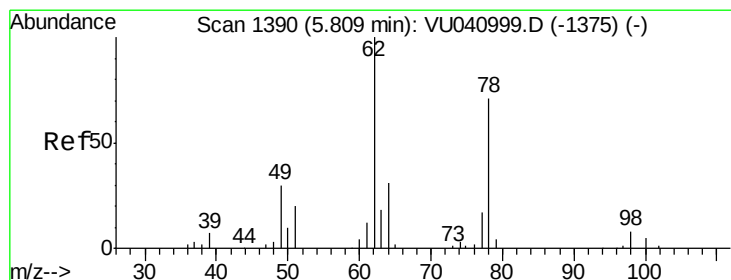
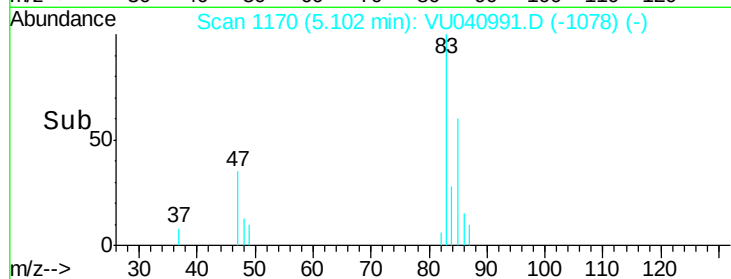
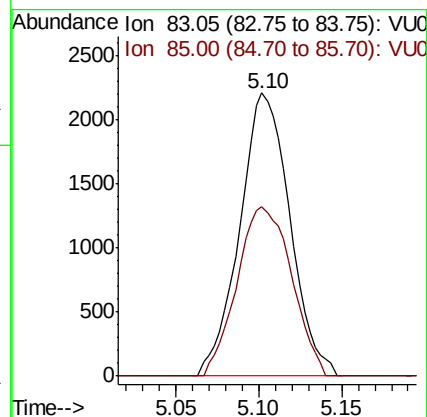
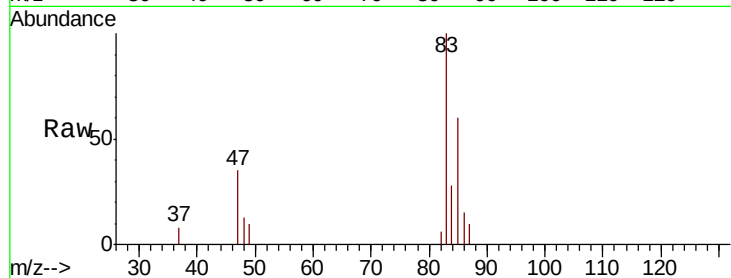




#25
Chloroform
Concen: 0.491 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040991.D
Acq: 28 Oct 2020 10:43

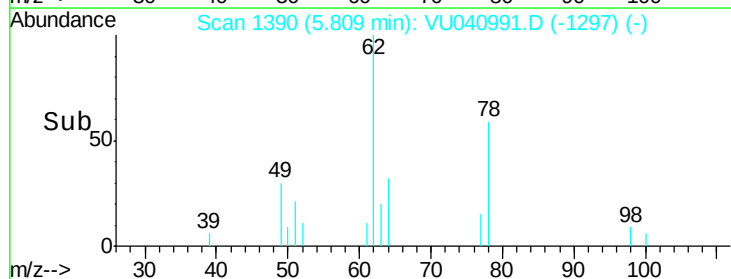
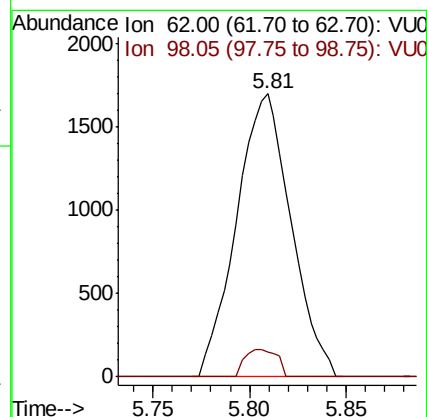
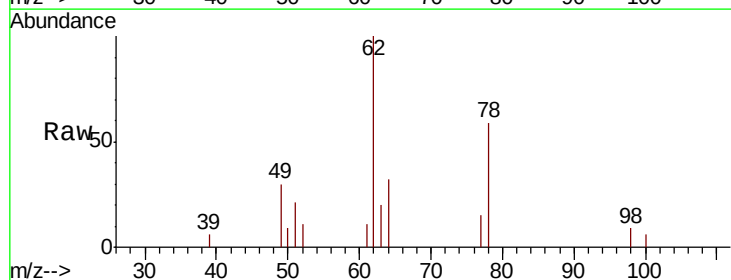
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

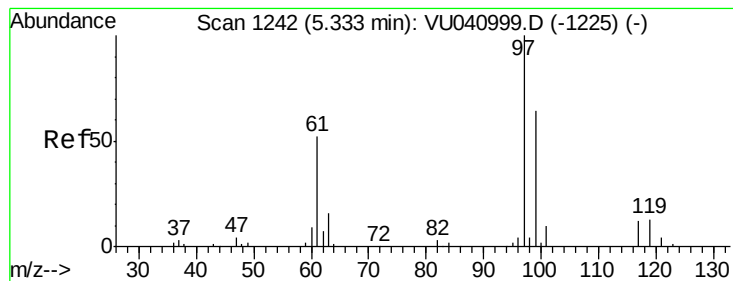
Tot Ion: 83 Resp: 4635
Ion Ratio Lower Upper
83 100
85 59.8 45.5 84.5



#27
1,2-Dichloroethane
Concen: 0.489 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040991.D
Acq: 28 Oct 2020 10:43

Tgt Ion: 62 Resp: 3339
Ion Ratio Lower Upper
62 100
98 8.8 6.1 9.1





#29

1,1,1-Trichloroethane

Concen: 0.456 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU040991.D

Acq: 28 Oct 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

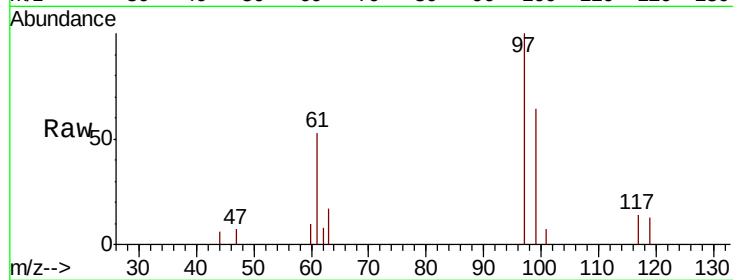
Tot Ion: 97 Resp: 3831

Ion Ratio Lower Upper

97 100

99 70.6 50.2 75.2

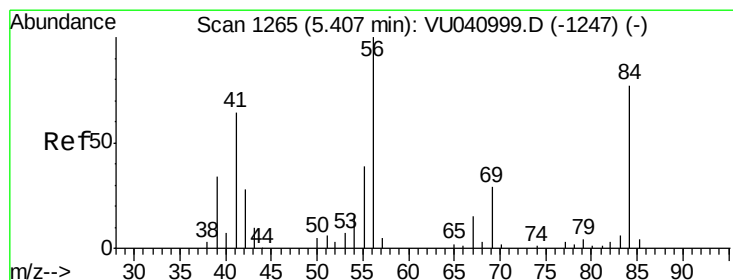
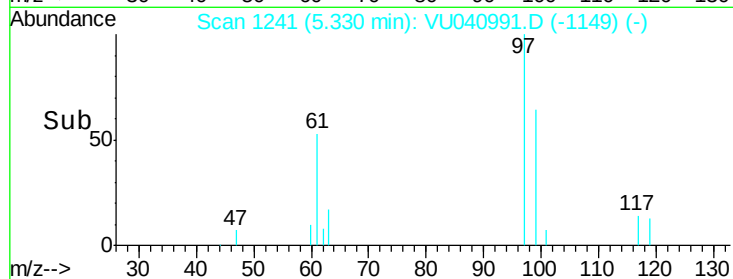
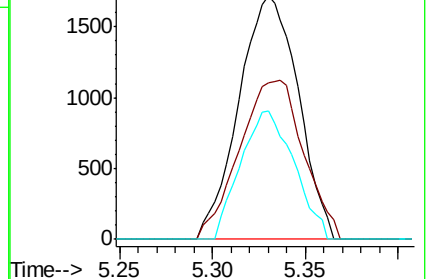
61 47.4 39.6 59.4



Abundance Ion 96.95 (96.65 to 97.65): VU040991.D (-1225) (-)

Ion 99.05 (98.75 to 99.75): VU040991.D (-1225) (-)

Ion 61.05 (60.75 to 61.75): VU040991.D (-1225) (-)



#30

Cyclohexane

Concen: 0.344 ug/L

RT: 5.40 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VU040991.D

Acq: 28 Oct 2020 10:43

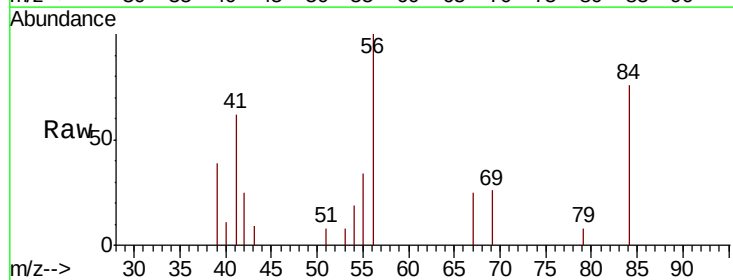
Tgt Ion: 56 Resp: 3067

Ion Ratio Lower Upper

56 100

69 26.1 23.2 34.8

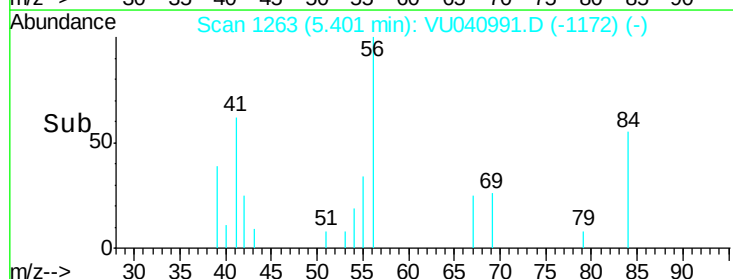
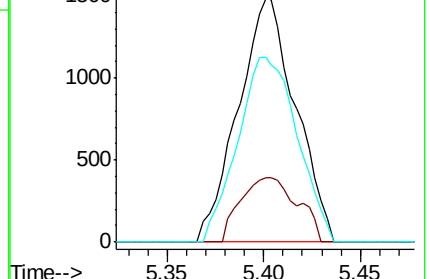
84 78.6 62.9 94.3

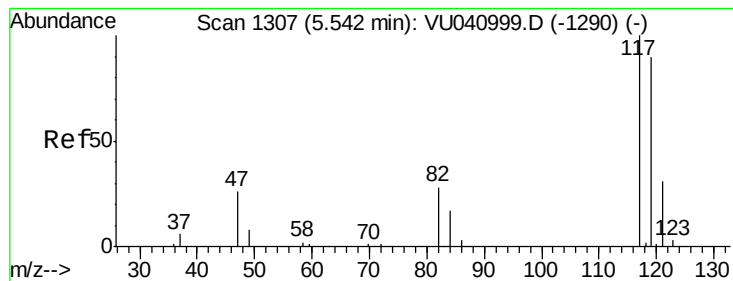


Abundance Ion 56.10 (55.80 to 56.80): VU040991.D (-1247) (-)

Ion 69.15 (68.85 to 69.85): VU040991.D (-1247) (-)

Ion 84.15 (83.85 to 84.85): VU040991.D (-1247) (-)





#31

Carbon tetrachloride

Concen: 0.438 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU040991.D

Acq: 28 Oct 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

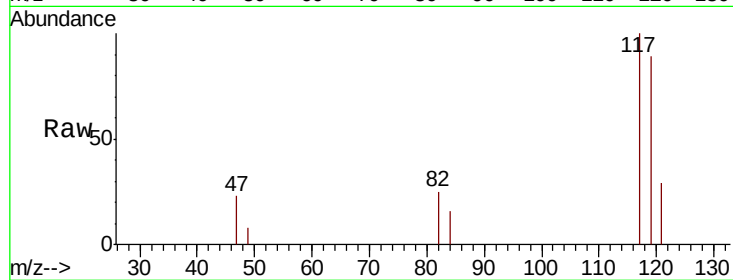
VSTD0.502

Tot Ion:117 Resp: 3134

Ion Ratio Lower Upper

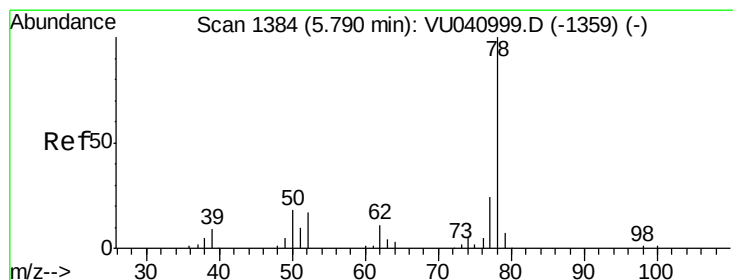
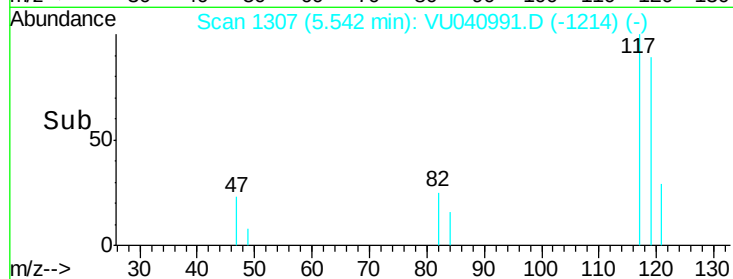
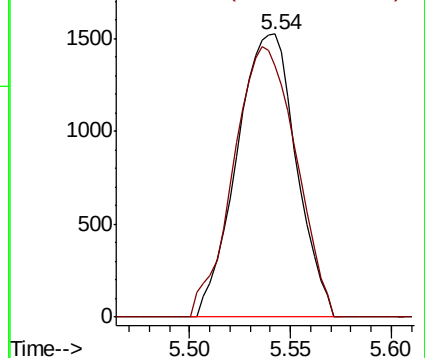
117 100

119 100.5 74.4 111.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.416 ug/L

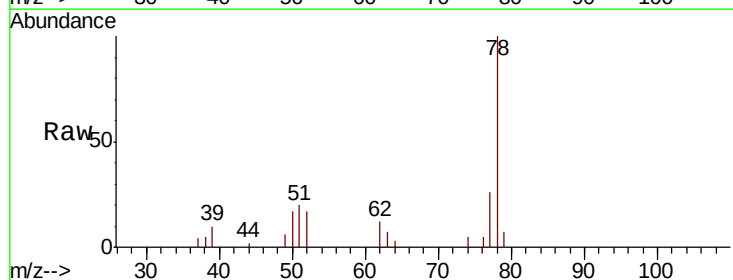
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

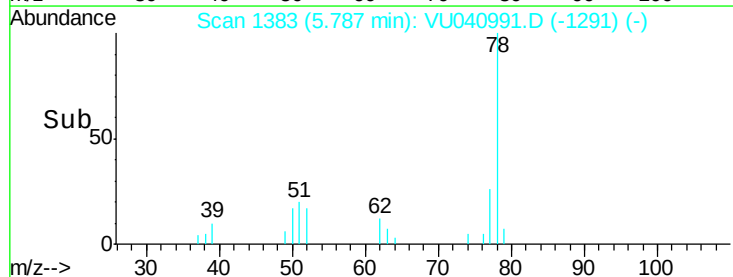
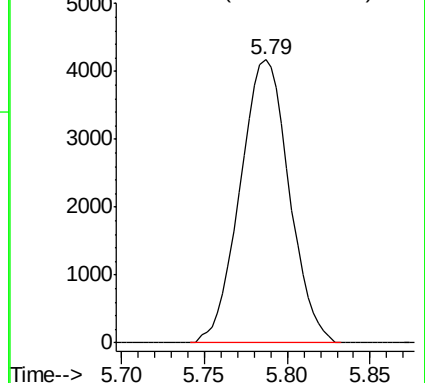
Lab File: VU040991.D

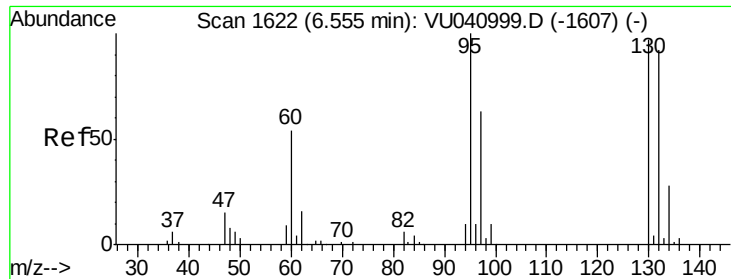
Acq: 28 Oct 2020 10:43

Tgt Ion: 78 Resp: 8582



Abundance Ion 78.10 (77.80 to 78.80): VU0

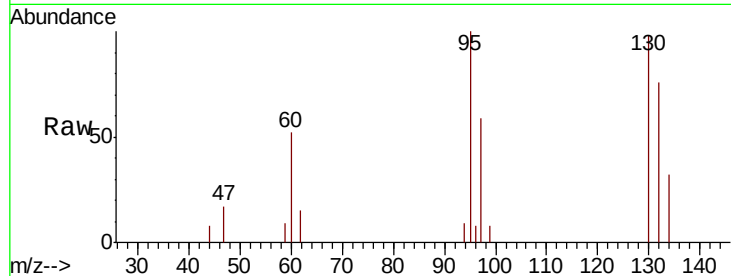




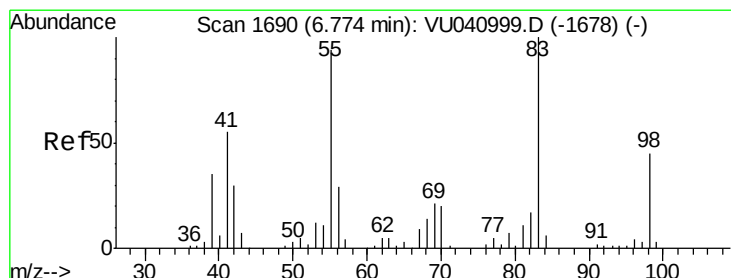
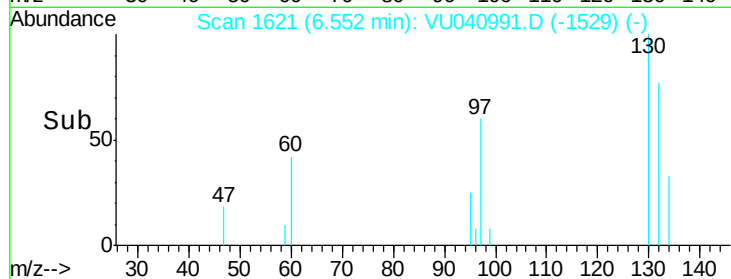
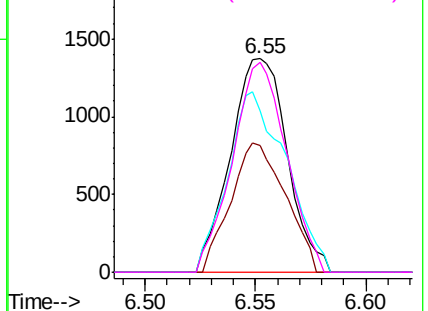
#34
 Trichloroethene
 Concen: 0.462 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040991.D
 Acq: 28 Oct 2020 10:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tot Ion: 95 Resp: 2461
 Ion Ratio Lower Upper
 95 100
 97 59.4 43.8 81.4
 132 75.7 64.5 119.7
 130 98.3 67.6 125.6

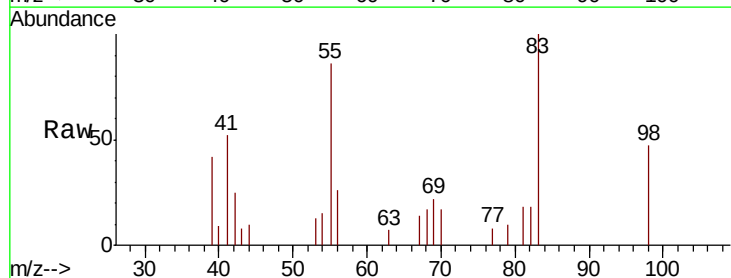


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

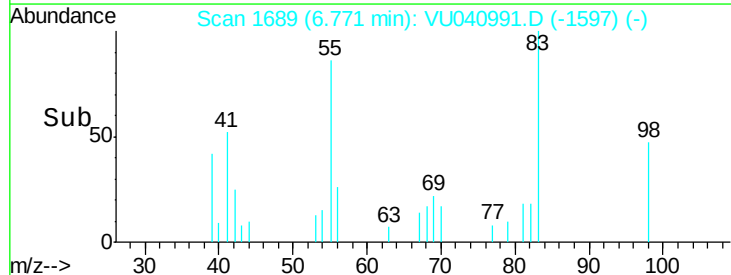
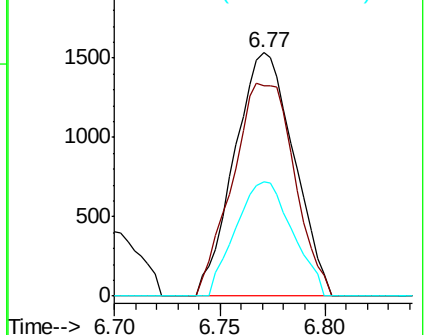


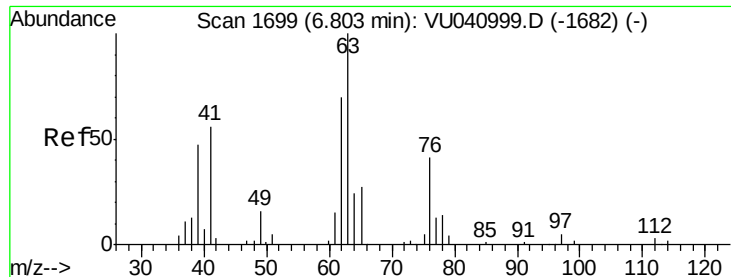
#35
 Methylcyclohexane
 Concen: 0.365 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU040991.D
 Acq: 28 Oct 2020 10:43

Tgt Ion: 83 Resp: 3000
 Ion Ratio Lower Upper
 83 100
 55 90.8 72.7 109.1
 98 44.8 35.7 53.5



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

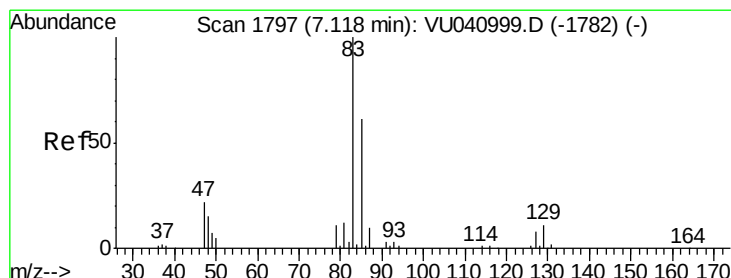
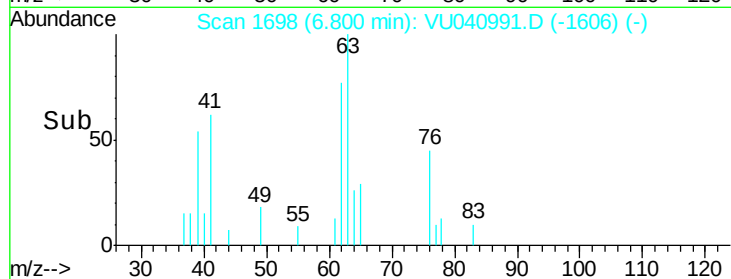
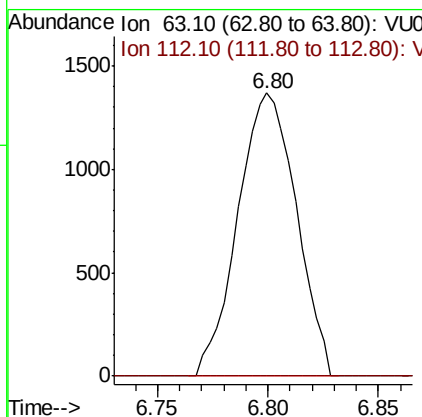
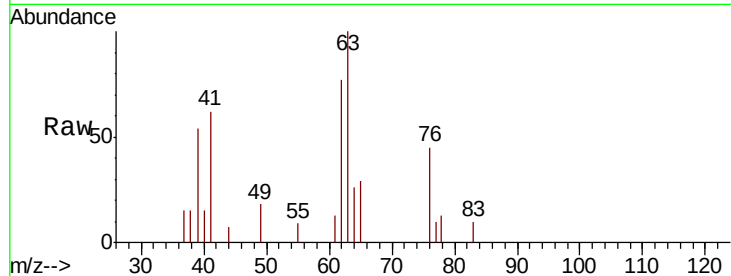




#37
 1,2-Dichloropropane
 Concen: 0.435 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040991.D
 Acq: 28 Oct 2020 10:43

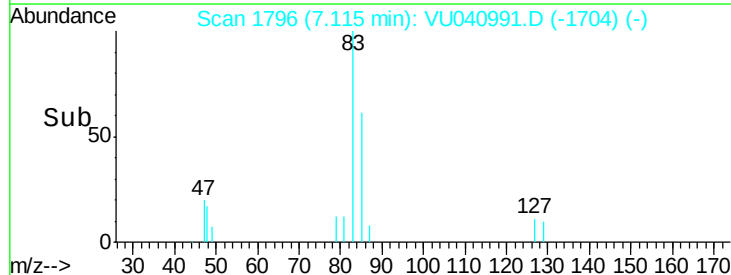
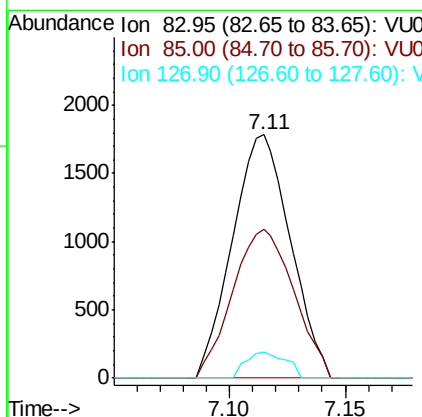
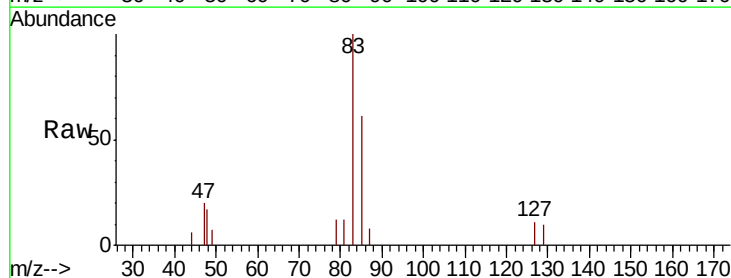
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

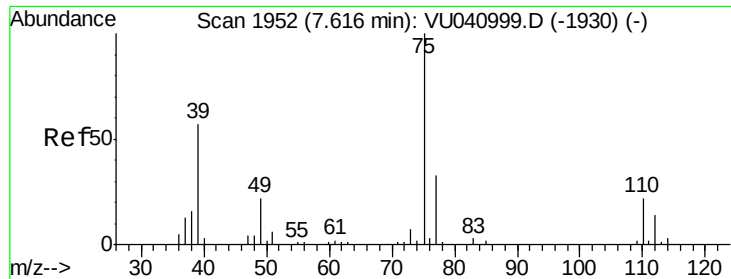
Tot Ion: 63 Resp: 2515
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#38
 Bromodichloromethane
 Concen: 0.442 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040991.D
 Acq: 28 Oct 2020 10:43

Tgt Ion: 83 Resp: 3099
 Ion Ratio Lower Upper
 83 100
 85 61.2 42.9 79.7
 127 10.6 6.2 9.2#

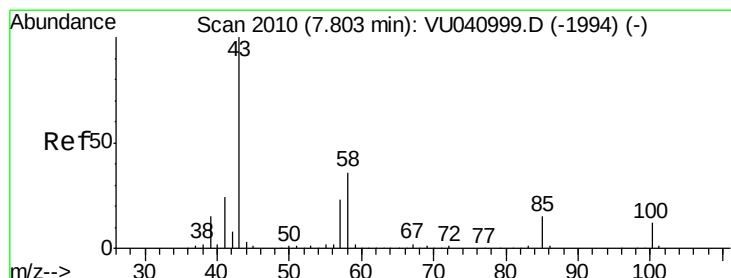
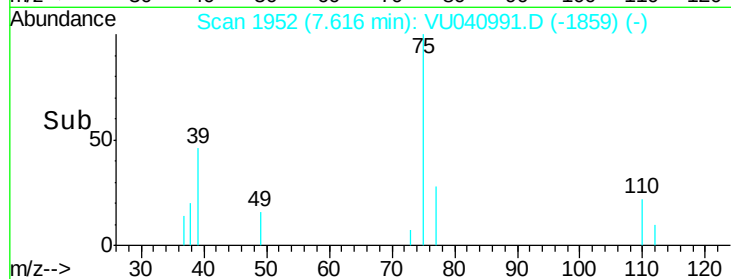
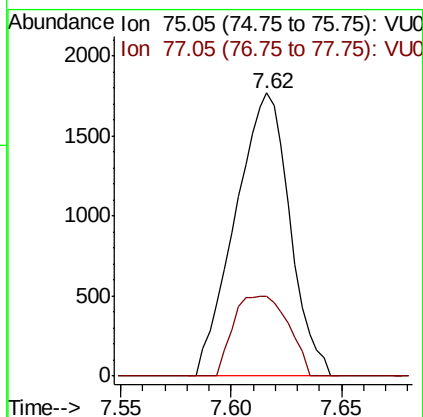
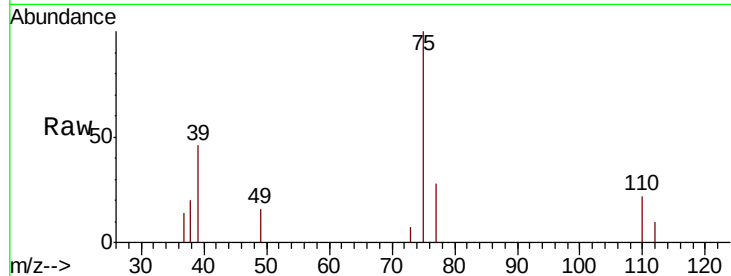




#39
 cis-1,3-Dichloropropene
 Concen: 0.392 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU040991.D
 Acq: 28 Oct 2020 10:43

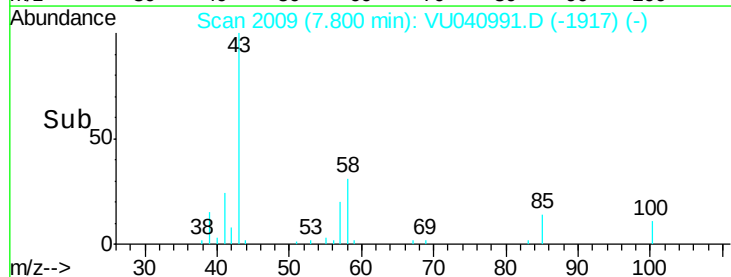
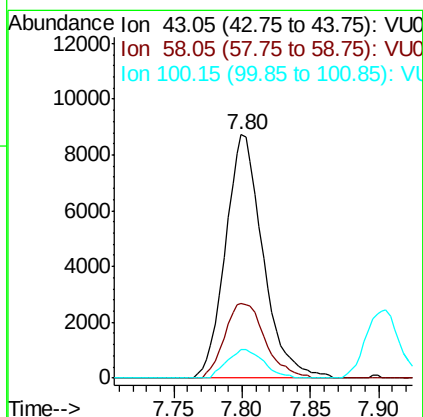
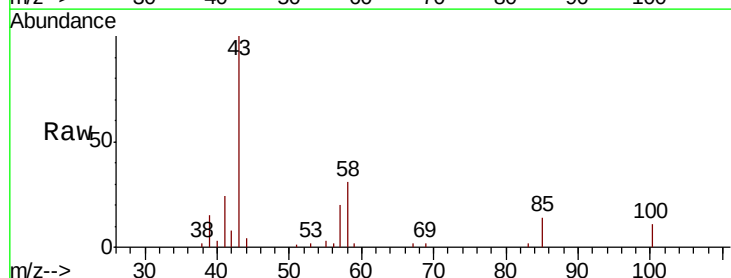
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

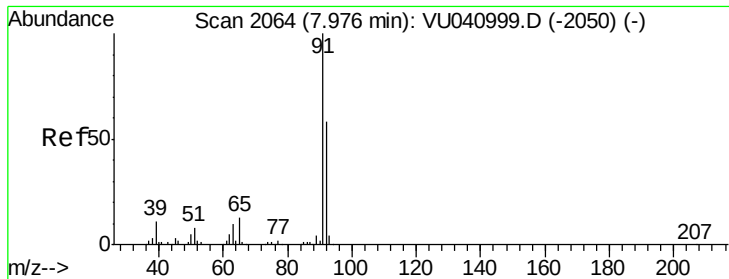
Tot Ion: 75 Resp: 3041
 Ion Ratio Lower Upper
 75 100
 77 28.3 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 3.823 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040991.D
 Acq: 28 Oct 2020 10:43

Tgt Ion: 43 Resp: 16631
 Ion Ratio Lower Upper
 43 100
 58 33.3 28.6 43.0
 100 11.4 9.6 14.4





#42

Toluene

Concen: 0.372 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040991.D

Acq: 28 Oct 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

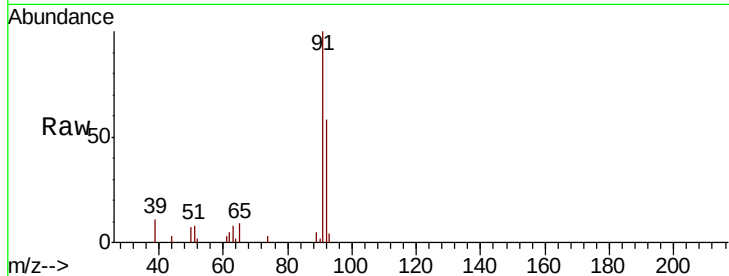
VSTD0.502

Tot Ion: 91 Resp: 7758

Ion Ratio Lower Upper

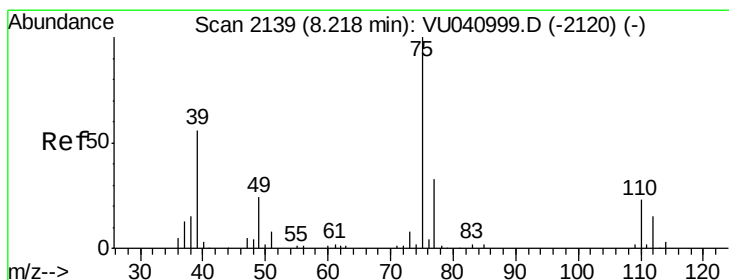
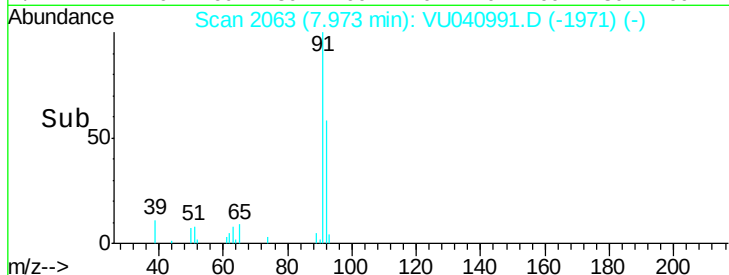
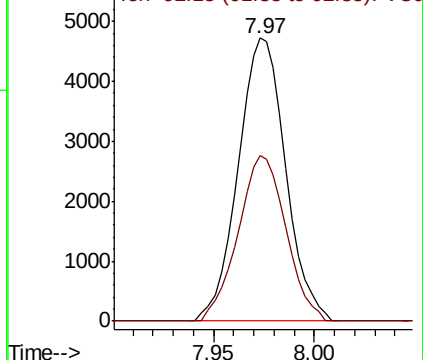
91 100

92 58.4 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.383 ug/L

RT: 8.21 min Scan# 2137

Delta R.T. -0.01 min

Lab File: VU040991.D

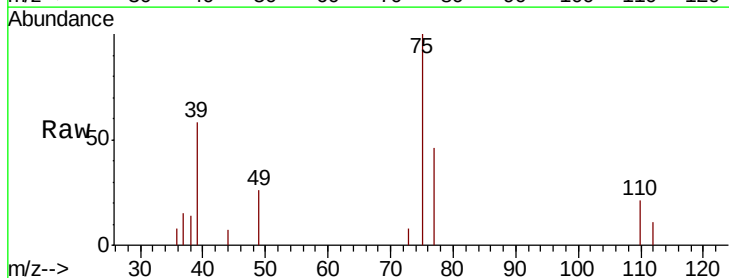
Acq: 28 Oct 2020 10:43

Tgt Ion: 75 Resp: 2749

Ion Ratio Lower Upper

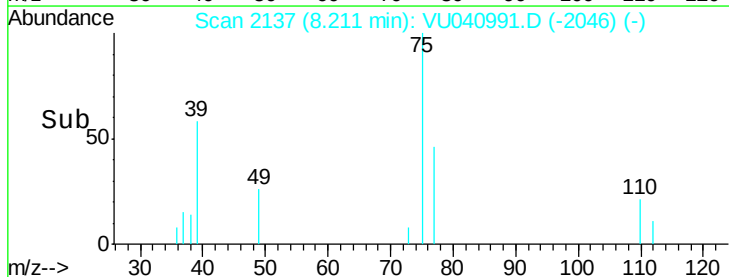
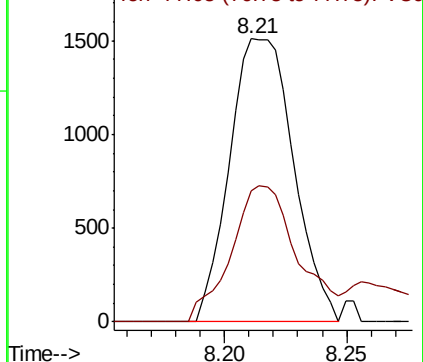
75 100

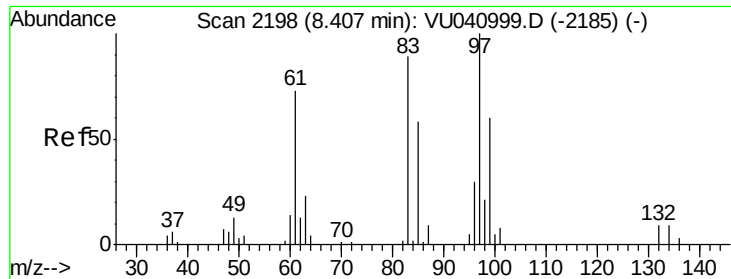
77 46.4 23.0 42.6#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

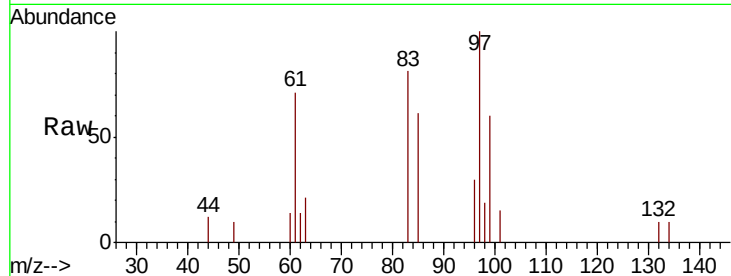




#45
 1,1,2-Trichloroethane
 Concen: 0.471 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040991.D
 Acq: 28 Oct 2020 10:43

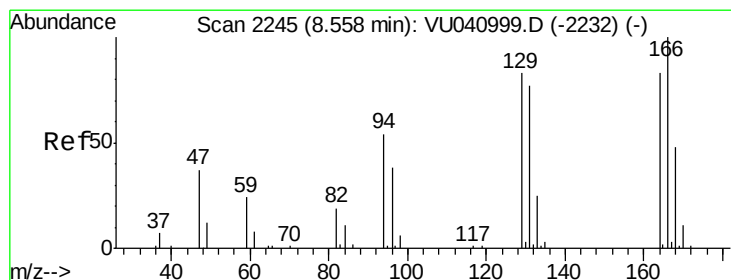
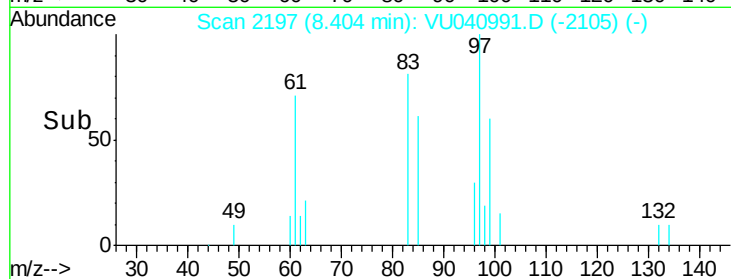
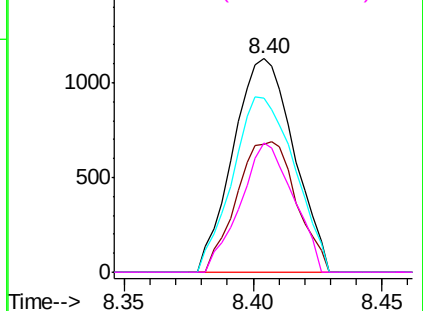
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tot Ion:	97	Resp:	1851
Ion	Ratio	Lower	Upper
97	100		
99	60.2	41.8	77.6
83	81.4	62.2	115.6
85	60.6	40.3	74.8



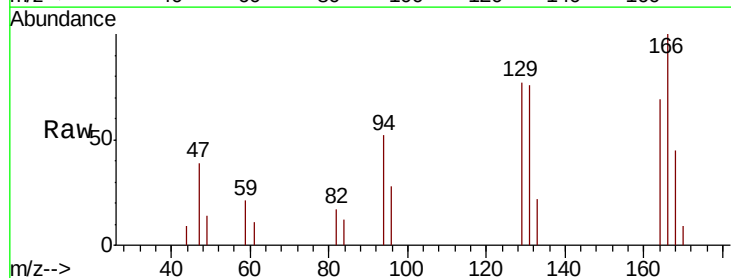
Abundance

Ion 96.95 (96.65 to 97.65): VU040999.D (-2185) (-)



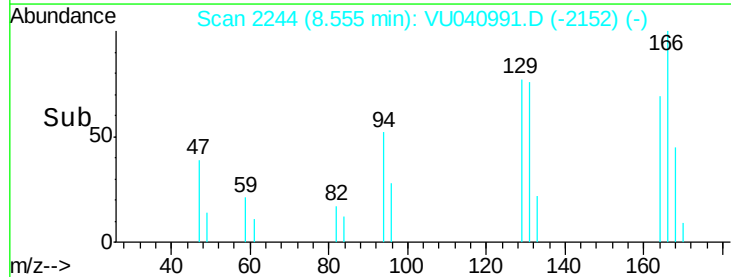
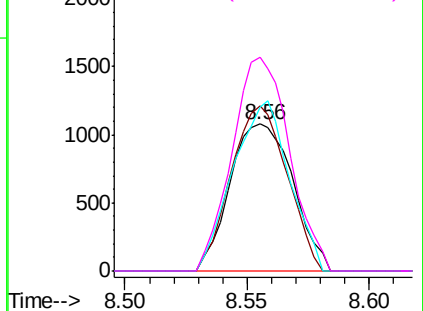
#47
 Tetrachloroethene
 Concen: 0.502 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040991.D
 Acq: 28 Oct 2020 10:43

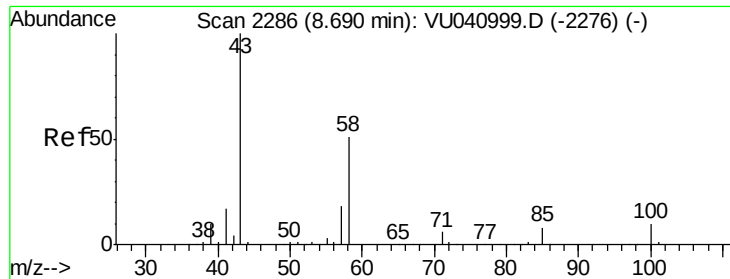
Tgt Ion:	164	Resp:	1942
Ion	Ratio	Lower	Upper
164	100		
129	112.2	69.9	129.7
131	110.9	65.0	120.6
166	145.1	84.1	156.1



Abundance

Ion 163.90 (163.60 to 164.60): VU040999.D (-2232) (-)

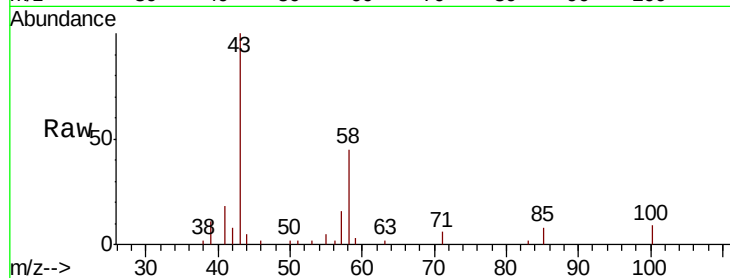




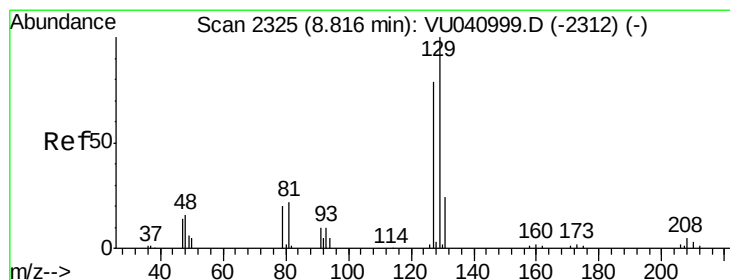
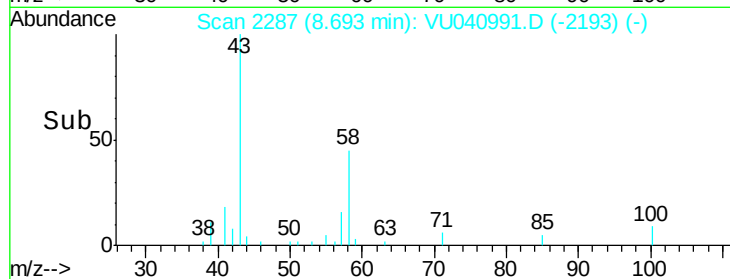
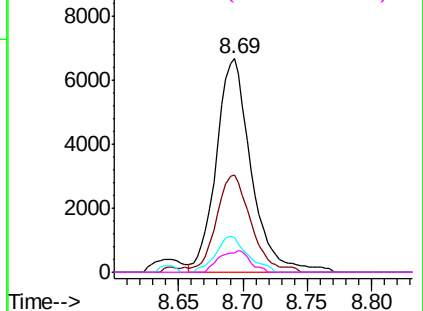
#48
2-Hexanone
Concen: 3.949 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU040991.D
Acq: 28 Oct 2020 10:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tot Ion:	43	Resp:	12557
Ion	Ratio	Lower	Upper
43	100		
58	44.9	39.9	59.9
57	15.1	14.1	21.1
100	8.7	7.5	11.3

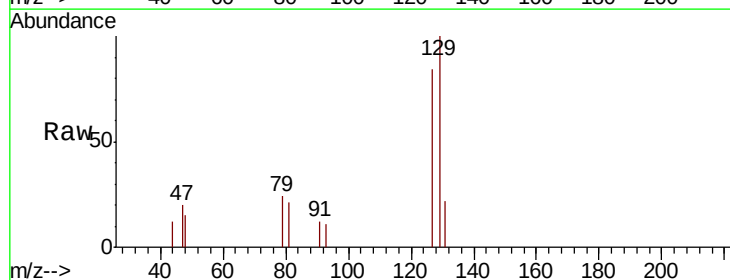


Abundance Ion 43.05 (42.75 to 43.75): VU040991.D (-2276) (-)
Ion 58.05 (57.75 to 58.75): VU040991.D (-2276) (-)
Ion 57.20 (56.90 to 57.90): VU040991.D (-2276) (-)
Ion 100.15 (99.85 to 100.85): VU040991.D (-2276) (-)

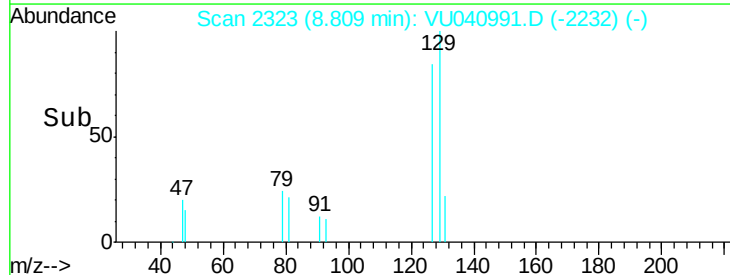
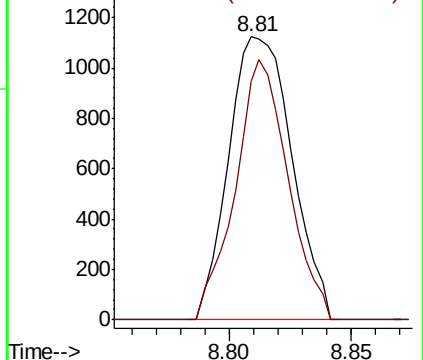


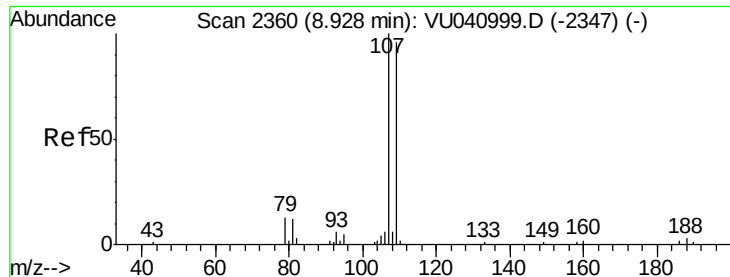
#49
Dibromochloromethane
Concen: 0.447 ug/L
RT: 8.81 min Scan# 2323
Delta R.T. -0.01 min
Lab File: VU040991.D
Acq: 28 Oct 2020 10:43

Tgt Ion:	129	Resp:	2020
Ion	Ratio	Lower	Upper
129	100		
127	84.1	55.3	102.7



Abundance Ion 128.95 (128.65 to 129.65): VU040991.D (-2312) (-)
Ion 126.90 (126.60 to 127.60): VU040991.D (-2312) (-)

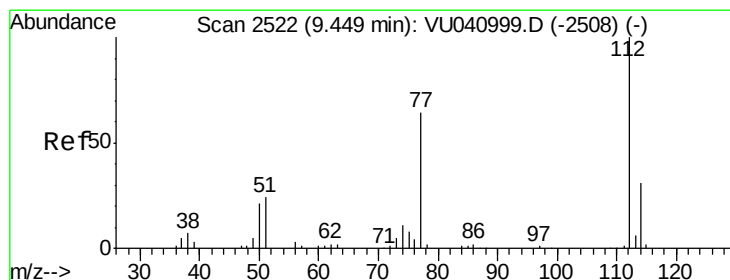
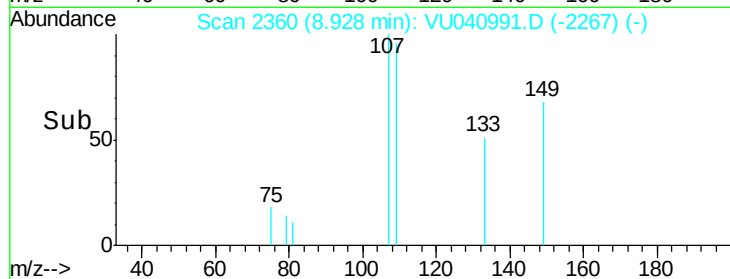
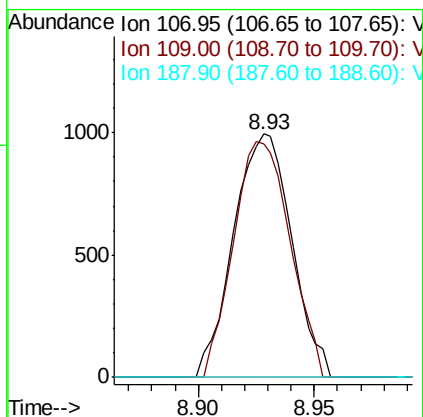
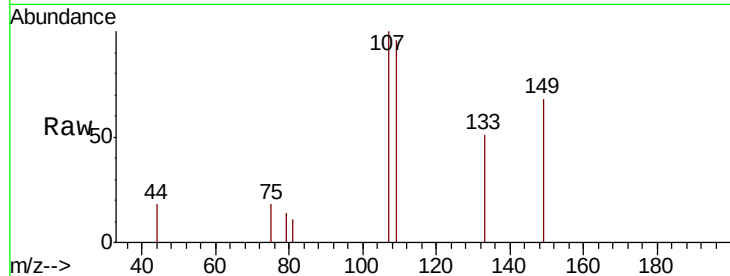




#50
 1,2-Dibromoethane
 Concen: 0.455 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040991.D
 Acq: 28 Oct 2020 10:43

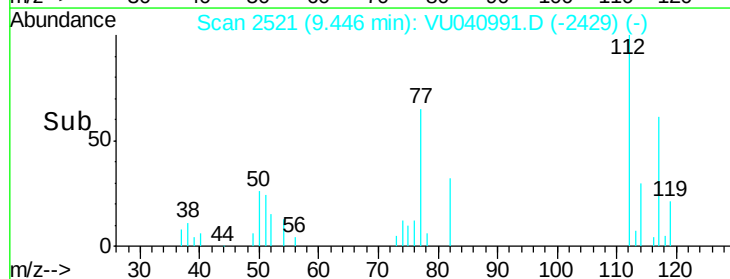
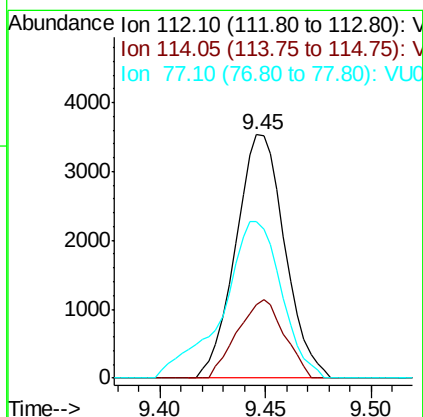
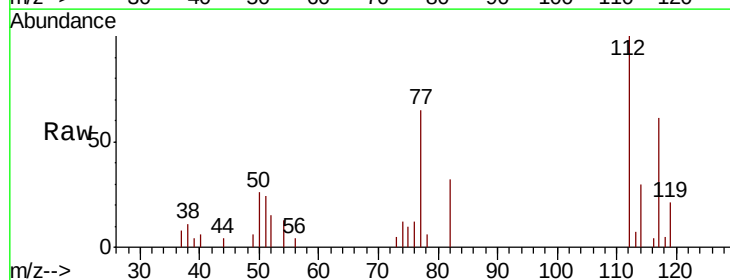
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

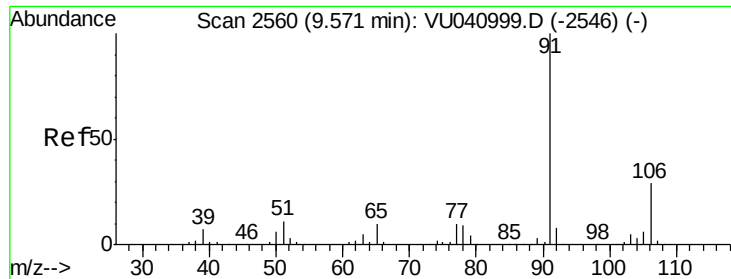
Tot Ion:107 Resp: 1726
 Ion Ratio Lower Upper
 107 100
 109 95.7 67.1 124.5
 188 0.0 2.3 3.5#



#51
 Chlorobenzene
 Concen: 0.428 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU040991.D
 Acq: 28 Oct 2020 10:43

Tgt Ion:112 Resp: 5727
 Ion Ratio Lower Upper
 112 100
 114 30.2 21.9 40.7
 77 64.6 51.4 77.2

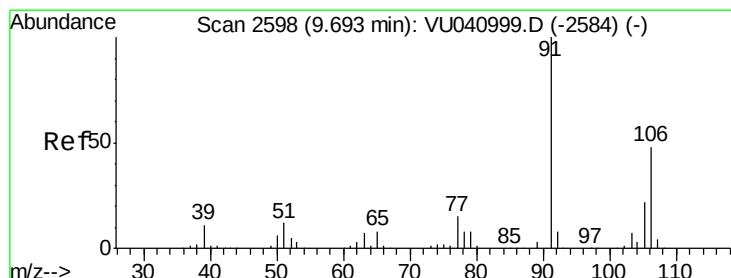
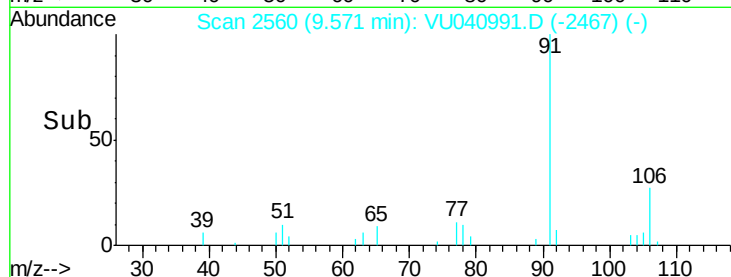
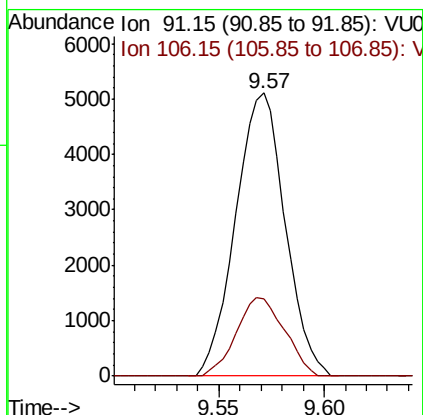
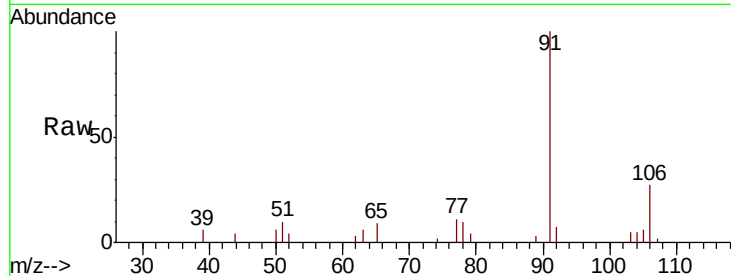




#52
Ethylbenzene
Concen: 0.366 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040991.D
Acq: 28 Oct 2020 10:43

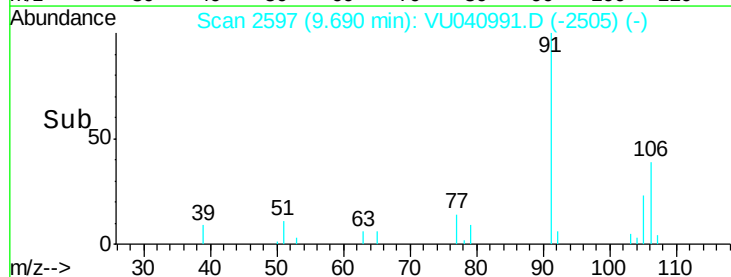
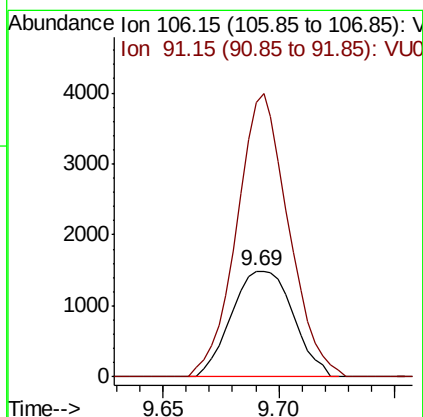
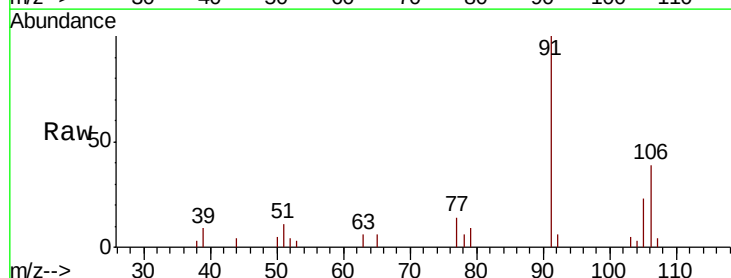
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

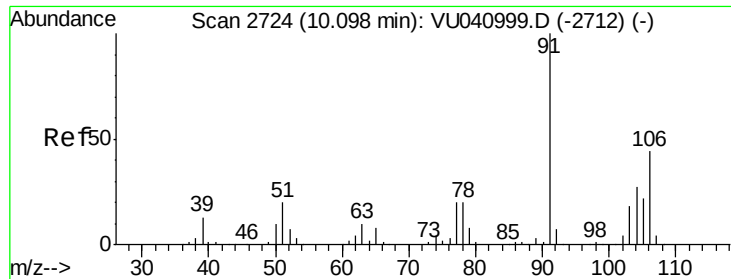
Tot Ion: 91 Resp: 8327
Ion Ratio Lower Upper
91 100
106 27.2 20.6 38.4



#53
m,p-Xylene
Concen: 0.336 ug/L
RT: 9.69 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VU040991.D
Acq: 28 Oct 2020 10:43

Tgt Ion: 106 Resp: 2750
Ion Ratio Lower Upper
106 100
91 258.8 147.6 274.0

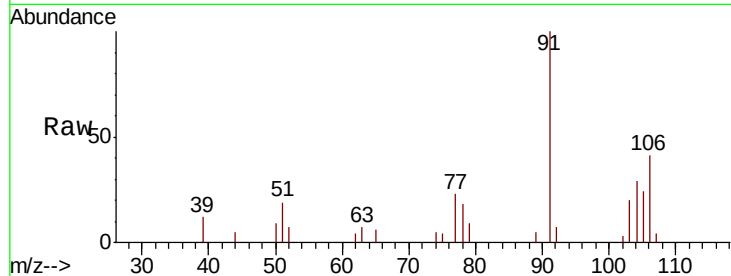




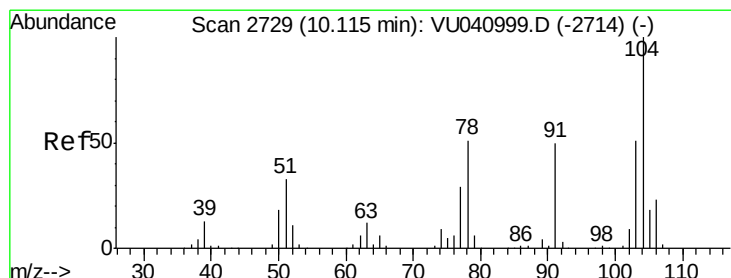
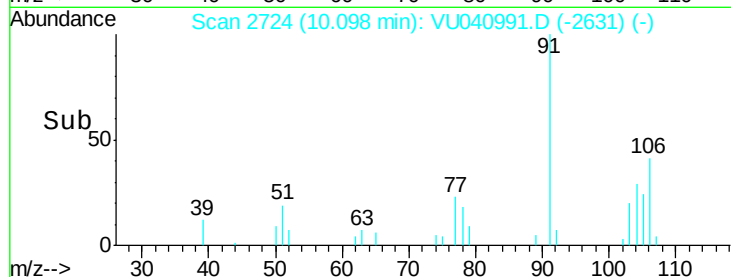
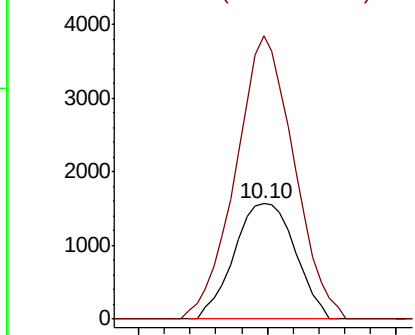
#54
o-Xylene
Concen: 0.329 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040991.D
Acq: 28 Oct 2020 10:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tot Ion:106 Resp: 2596
Ion Ratio Lower Upper
106 100
91 245.3 158.3 294.1

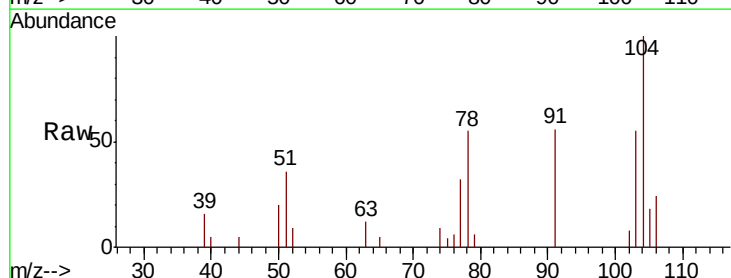


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

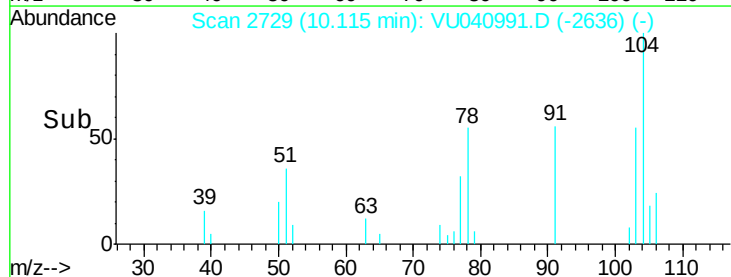
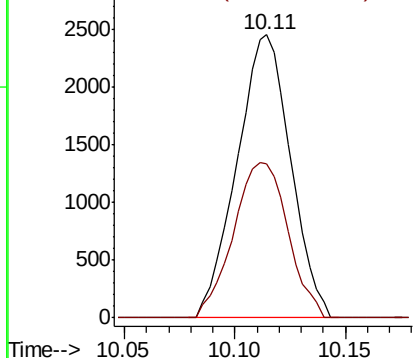


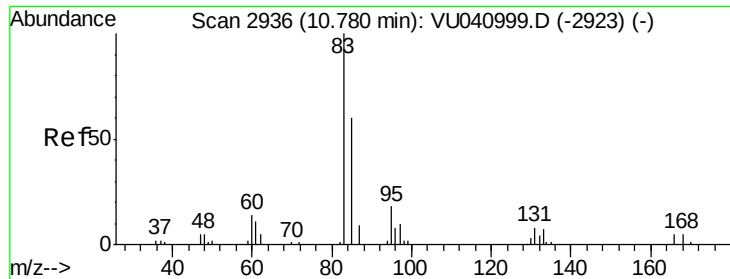
#55
Styrene
Concen: 0.303 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040991.D
Acq: 28 Oct 2020 10:43

Tgt Ion:104 Resp: 4124
Ion Ratio Lower Upper
104 100
78 54.5 35.6 66.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0

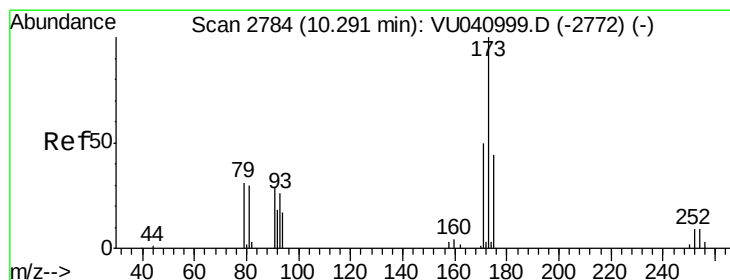
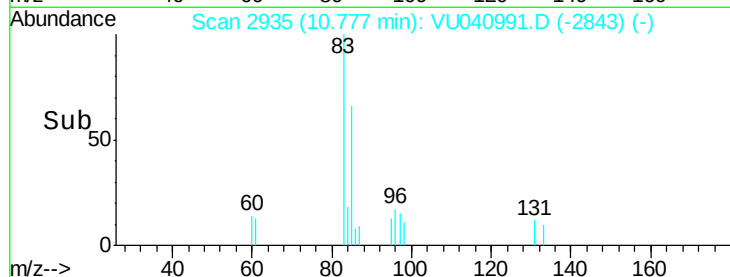
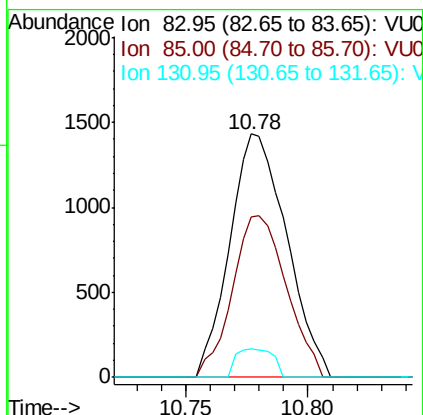
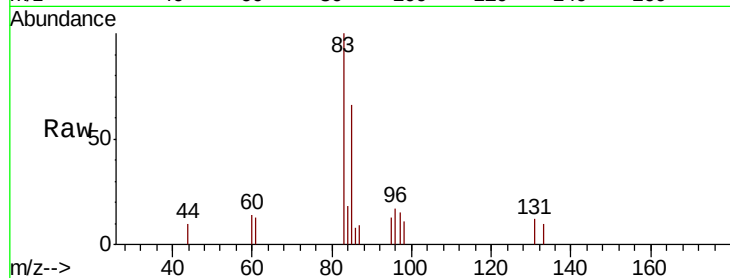




#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.447 ug/L
 RT: 10.78 min Scan# 2935
 Delta R.T. -0.00 min
 Lab File: VU040991.D
 Acq: 28 Oct 2020 10:43

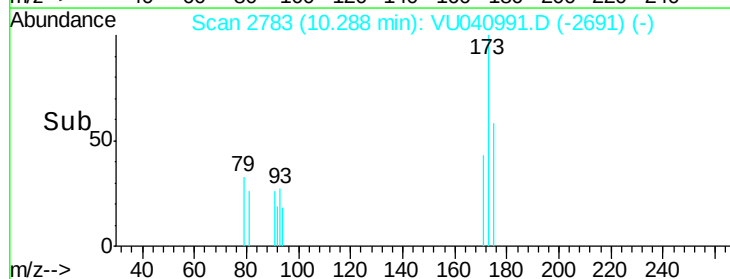
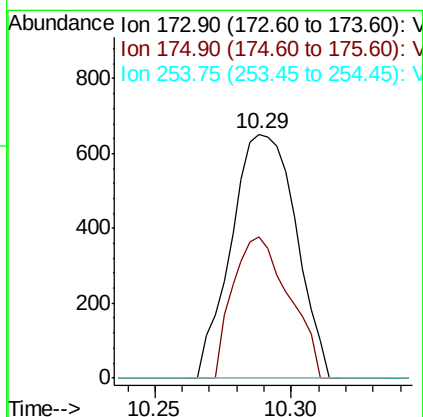
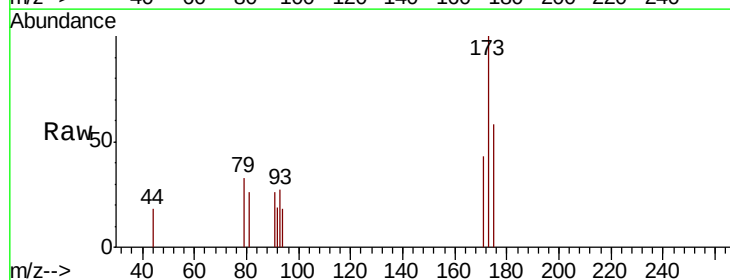
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

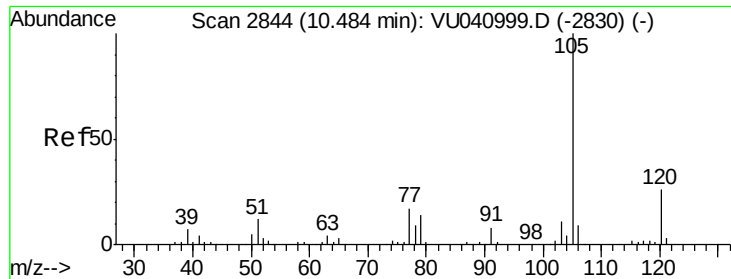
Tot Ion	83	Resp	2313
Ion Ratio	Lower	Upper	
83	100		
85	65.7	42.1	78.3
131	11.6	6.7	10.1#



#59
 Bromoform
 Concen: 0.487 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU040991.D
 Acq: 28 Oct 2020 10:43

Tgt Ion	173	Resp	1073
Ion Ratio	Lower	Upper	
173	100		
175	50.3	36.7	55.1
254	0.0	6.5	9.7#





#60

Isopropylbenzene

Concen: 0.363 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040991.D

Acq: 28 Oct 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

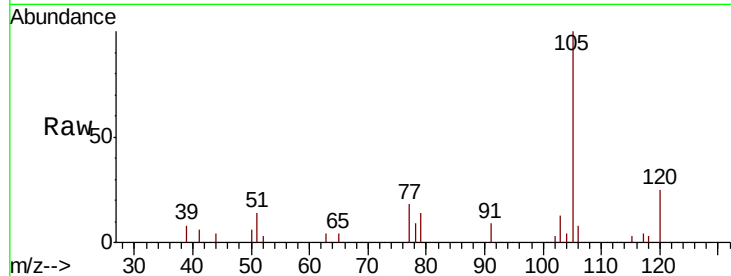
Tot Ion:105 Resp: 6757

Ion Ratio Lower Upper

105 100

120 24.4 20.2 30.4

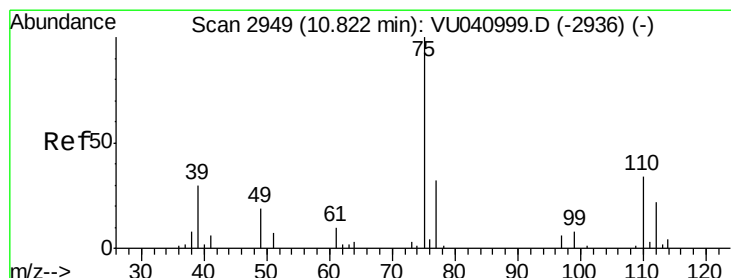
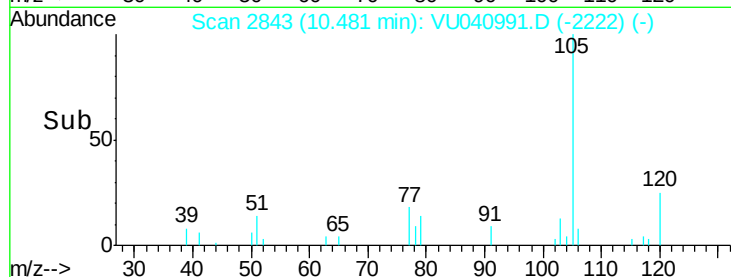
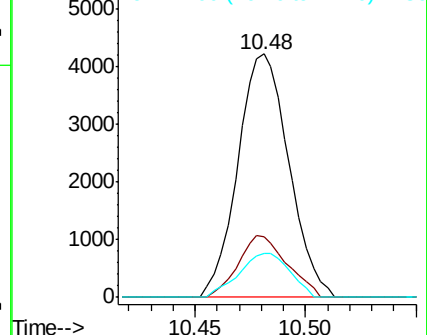
77 18.0 14.4 21.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 0.552 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040991.D

Acq: 28 Oct 2020 10:43

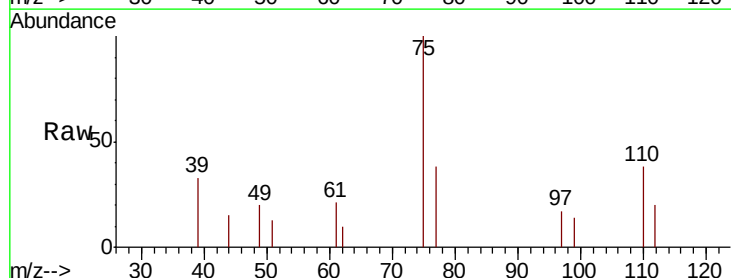
Tgt Ion: 75 Resp: 1941

Ion Ratio Lower Upper

75 100

110 34.6 27.5 41.3

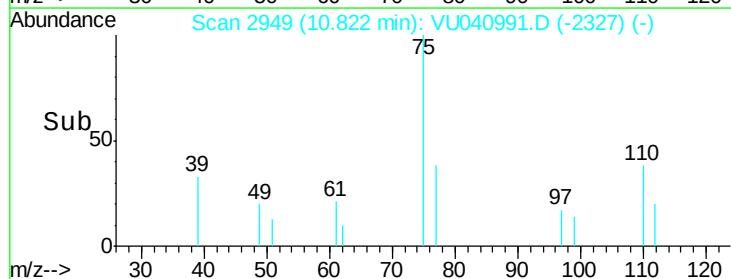
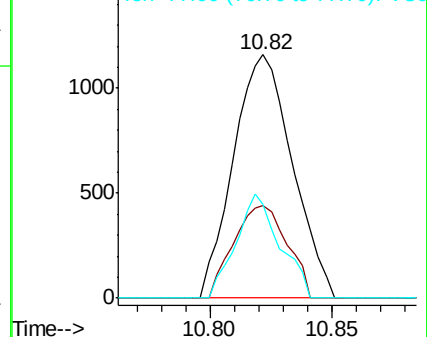
77 31.8 24.9 37.3

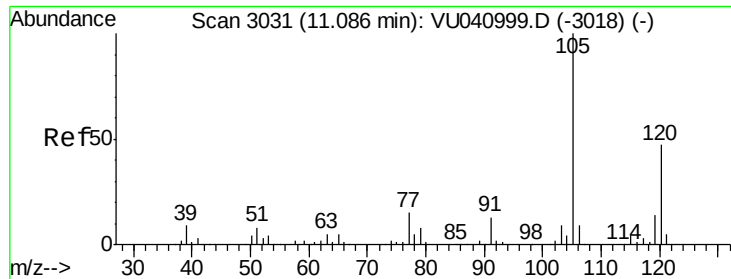


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): V

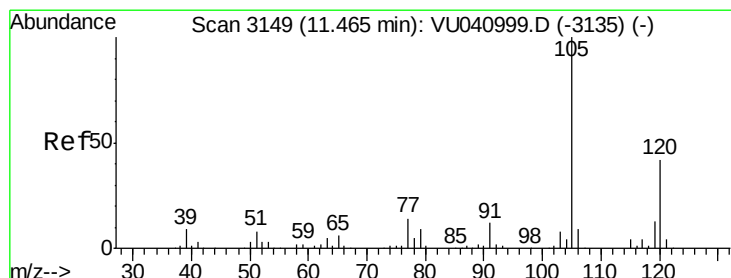
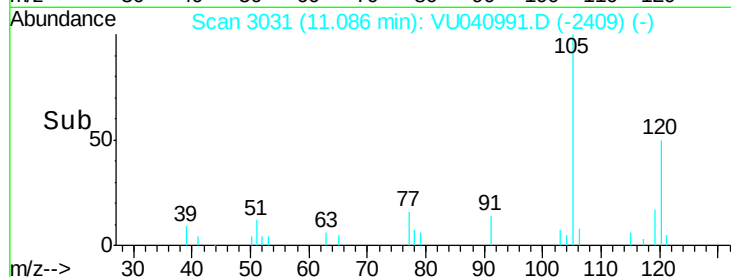
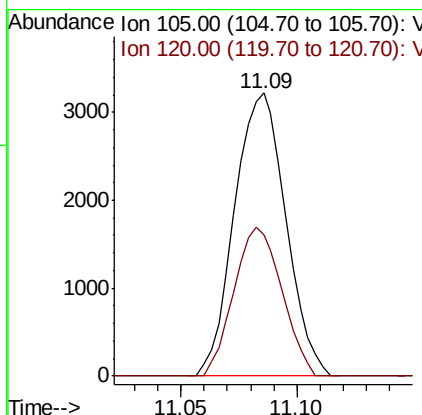
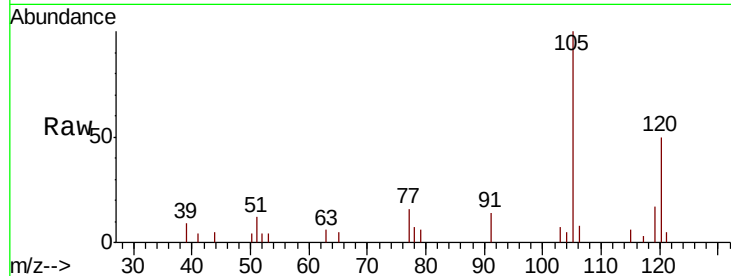




#62
 1,3,5-Trimethylbenzene
 Concen: 0.332 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. -0.00 min
 Lab File: VU040999.D
 Acq: 28 Oct 2020 10:43

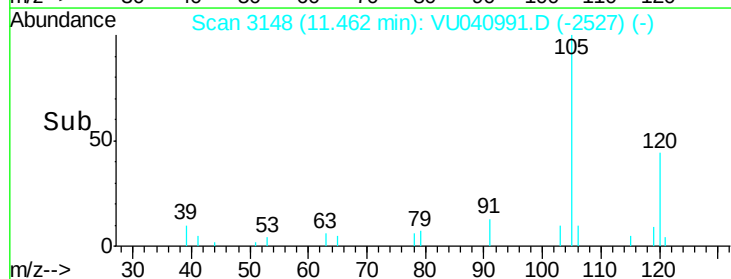
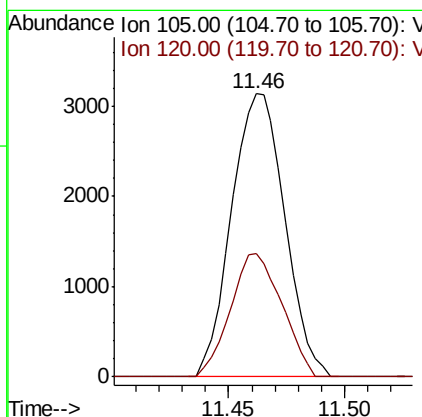
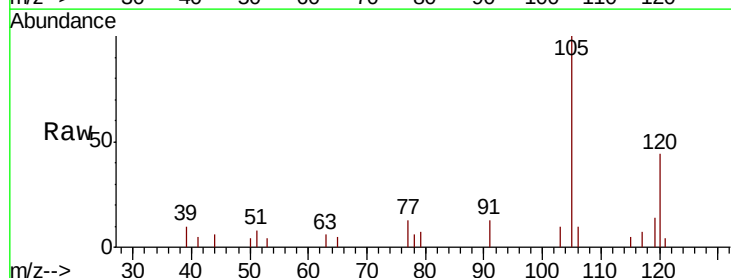
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

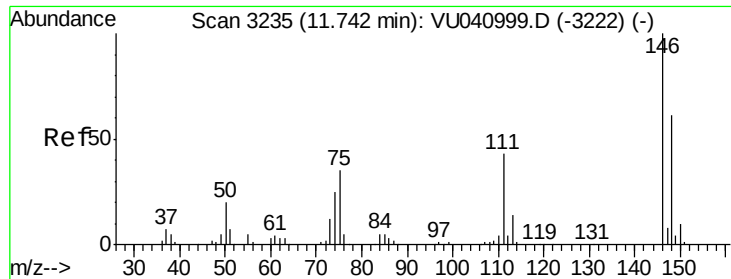
Tot Ion:105 Resp: 4953
 Ion Ratio Lower Upper
 105 100
 120 49.1 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 0.331 ug/L
 RT: 11.46 min Scan# 3148
 Delta R.T. -0.00 min
 Lab File: VU040999.D
 Acq: 28 Oct 2020 10:43

Tgt Ion:105 Resp: 5009
 Ion Ratio Lower Upper
 105 100
 120 41.9 34.6 52.0

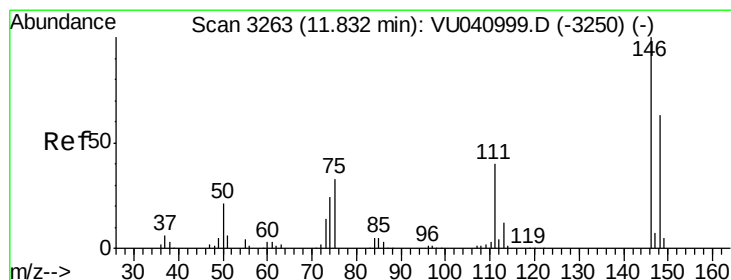
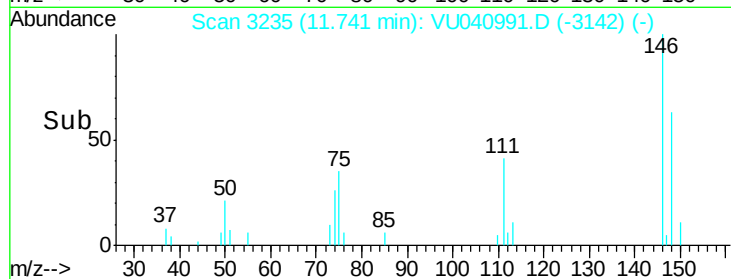
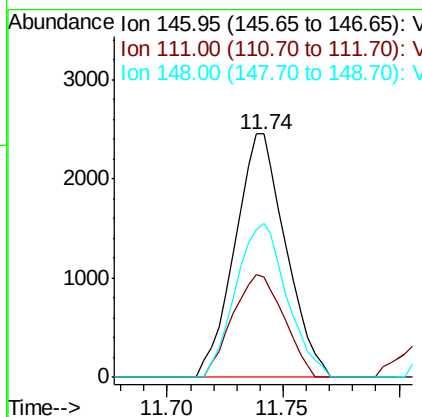
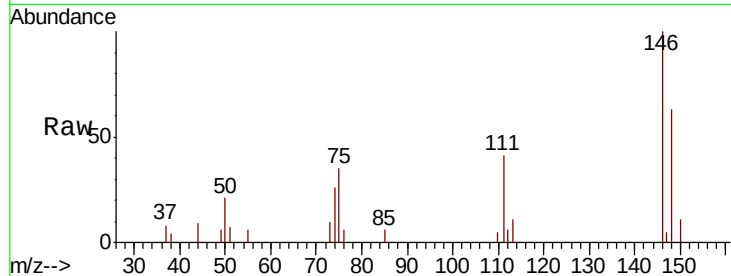




#64
 1,3-Dichlorobenzene
 Concen: 0.403 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040991.D
 Acq: 28 Oct 2020 10:43

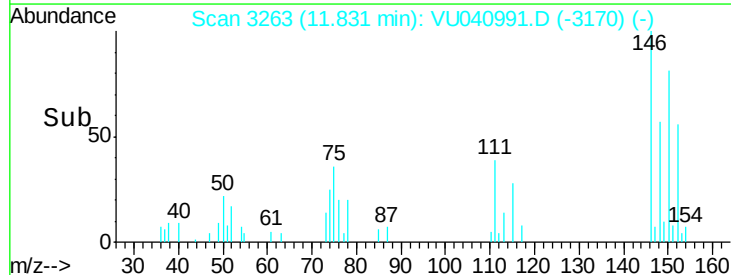
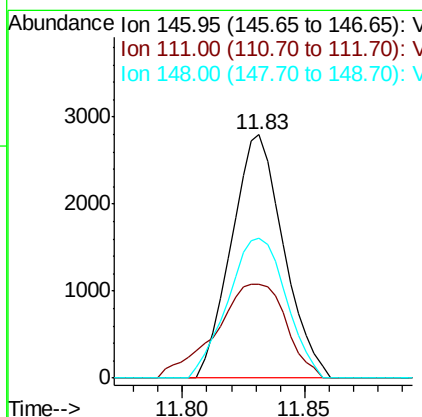
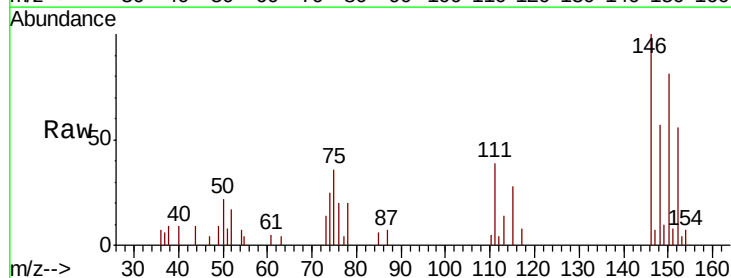
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

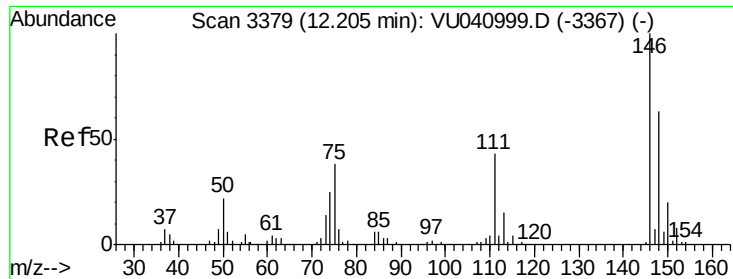
Tot Ion:146 Resp: 3736
 Ion Ratio Lower Upper
 146 100
 111 41.1 30.2 56.0
 148 63.1 42.9 79.7



#65
 1,4-Dichlorobenzene
 Concen: 0.434 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040991.D
 Acq: 28 Oct 2020 10:43

Tgt Ion:146 Resp: 4148
 Ion Ratio Lower Upper
 146 100
 111 38.5 28.3 52.7
 148 57.3 44.1 81.9

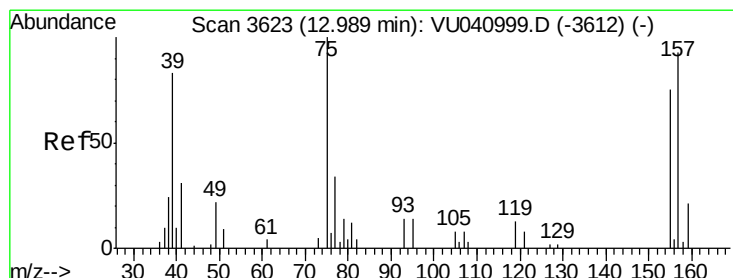
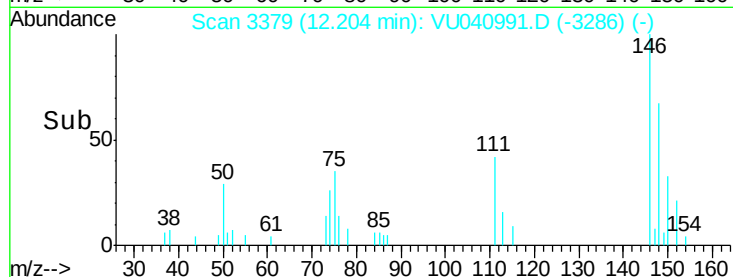
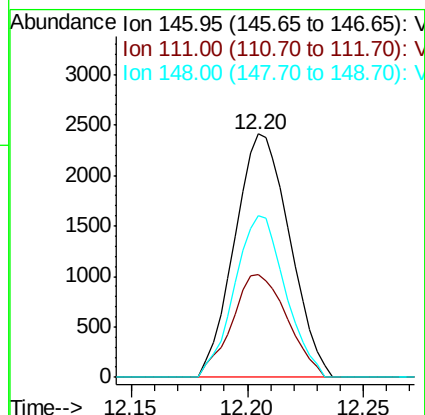
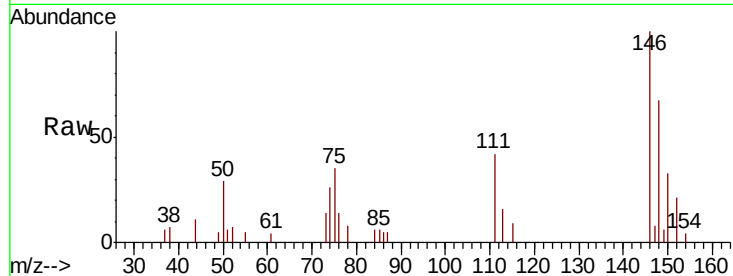




#67
 1,2-Dichlorobenzene
 Concen: 0.457 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040999.D
 Acq: 28 Oct 2020 10:43

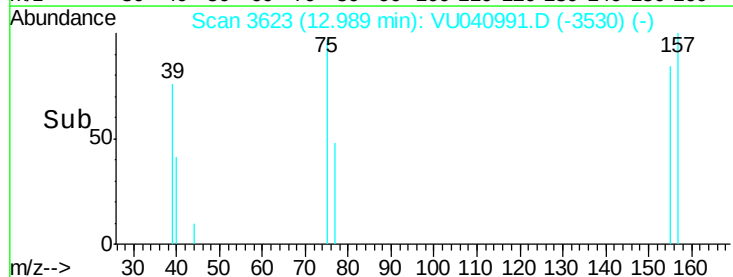
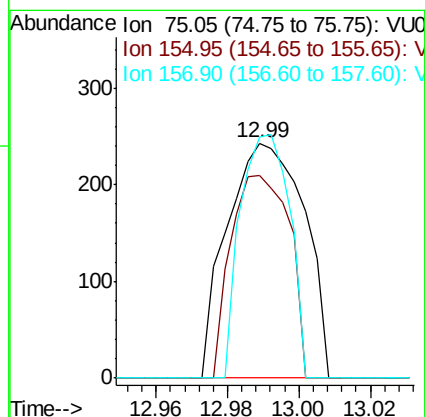
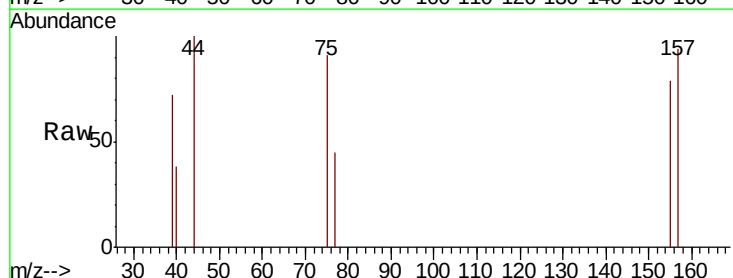
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

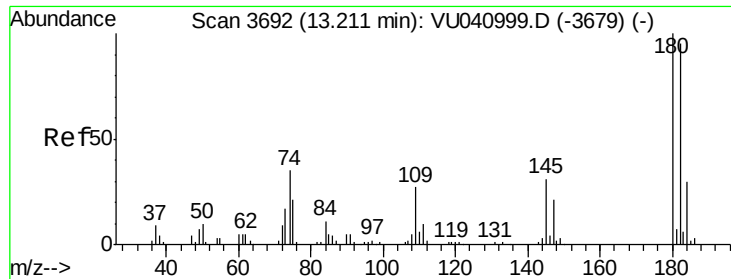
Tot Ion:146 Resp: 3981
 Ion Ratio Lower Upper
 146 100
 111 42.2 34.7 52.1
 148 66.6 50.7 76.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.437 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040999.D
 Acq: 28 Oct 2020 10:43

Tgt Ion: 75 Resp: 362
 Ion Ratio Lower Upper
 75 100
 155 86.4 60.2 90.2
 157 102.9 74.4 111.6

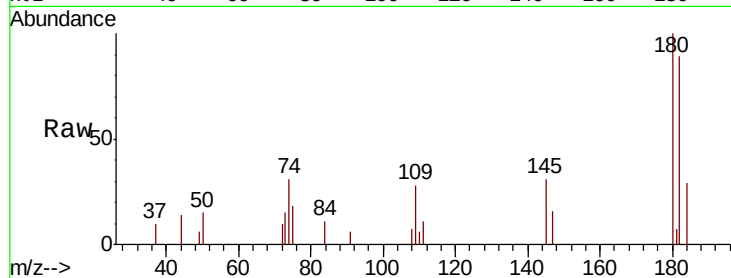




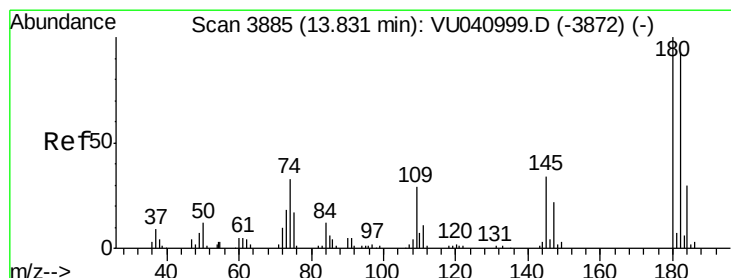
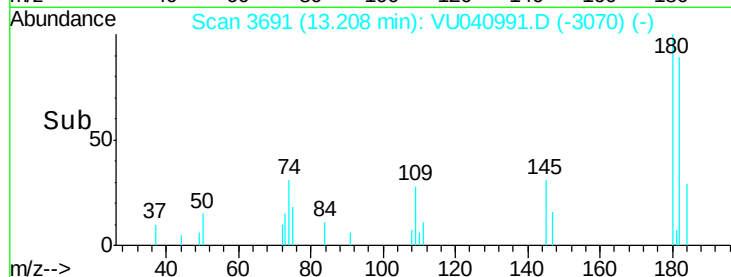
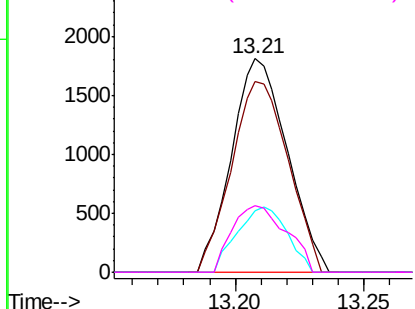
#69
 1,3,5-Trichlorobenzene
 Concen: 0.420 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040991.D
 Acq: 28 Oct 2020 10:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tot Ion:180 Resp: 2728
 Ion Ratio Lower Upper
 180 100
 182 91.0 76.9 115.3
 184 27.5 23.8 35.8
 145 30.5 25.2 37.8

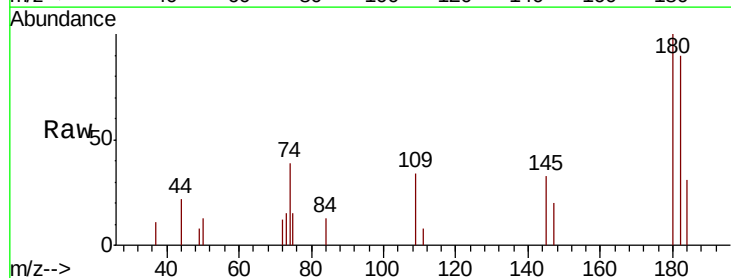


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

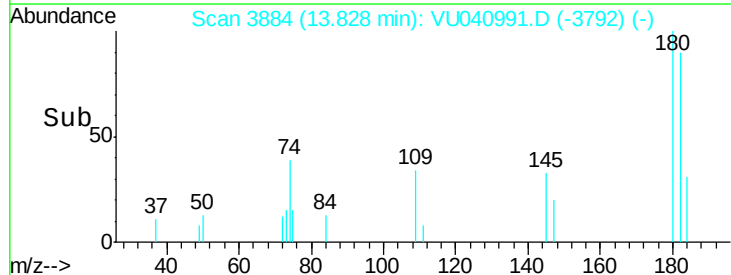
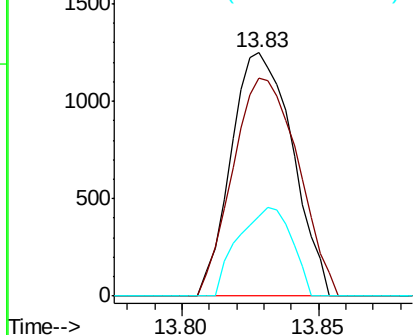


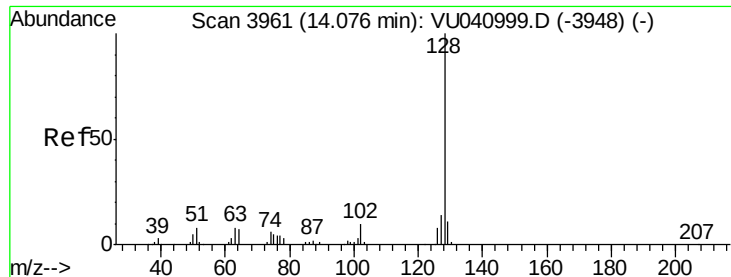
#70
 1,2,4-trichlorobenzene
 Concen: 0.372 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040991.D
 Acq: 28 Oct 2020 10:43

Tgt Ion:180 Resp: 1950
 Ion Ratio Lower Upper
 180 100
 182 95.3 74.5 111.7
 145 31.7 26.6 39.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

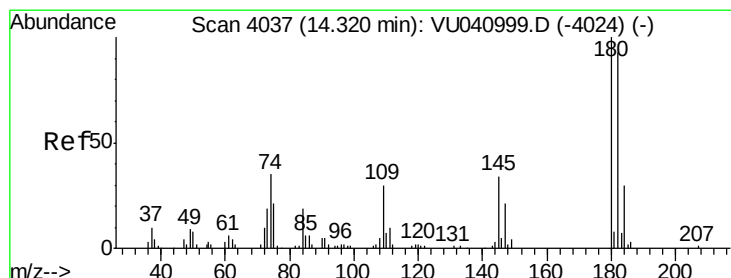
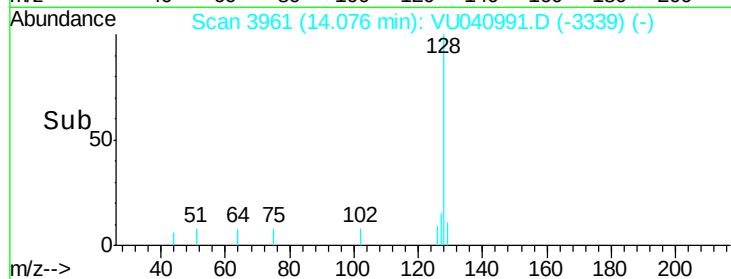
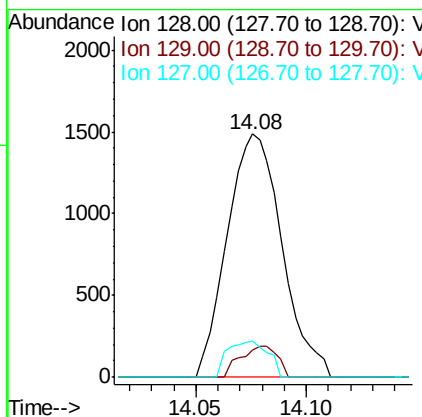
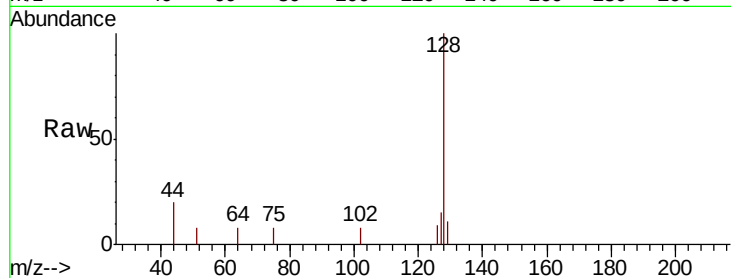




#71
Naphthalene
Concen: 0.284 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040991.D
Acq: 28 Oct 2020 10:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tot Ion:128 Resp: 2560
Ion Ratio Lower Upper
128 100
129 8.8 8.8 13.2#
127 11.0 11.2 16.8#



#72
1,2,3-Trichlorobenzene
Concen: 0.363 ug/L
RT: 14.32 min Scan# 4038
Delta R.T. 0.00 min
Lab File: VU040991.D
Acq: 28 Oct 2020 10:43

Tgt Ion:180 Resp: 1718
Ion Ratio Lower Upper
180 100
182 87.9 76.7 115.1
145 34.1 27.4 41.0

